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1918  
**HOLMES'**  
**HANDBOOK of SEEDS**

*and everything  
for the Garden*

**HOLMES  
SEED COMPANY**  
*Harrisburg, Pa.*

**Holmes  
Emperor  
Celery**

*Originators  
own growing.*

PKT 15¢  
½ OZ \$1.25  
1 OZ \$2.25  
¼ LB \$7.00  
1 LB \$25.00

*See page 15.*

*See special Offer  
on last cover.*

**Improved Self Blanching Celery**  
*as grown from Holmes tested French Seed.*

PKT 15¢ ½ OZ \$1.00 1 OZ \$1.50 ¼ LB \$5.50 1 LB \$18.00 - *See page 15.*



any other matter of any seeds, bulbs or plants we send out, will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

**TWENTY-THREE YEARS IN BUSINESS**

**THIS IS WHAT TALKS**

# SATISFACTION GUARANTEED

## OR YOUR MONEY BACK

All Seeds or other articles listed in this Catalog are sold with the understanding that should they fail to please, we will refund the price paid or duplicate your order free

### BULK SEED DISCOUNTS

On a \$5 Order, Discount is 10 percent.  
On a \$10 Order, Discount is 15 percent.  
On a \$20 Order, Discount is 20 percent.

This discount is allowed on all general orders for Flower and Vegetable Seeds in packets, ounces, quarter-pounds, pounds, pints, quarts, four quarts, pecks and bushels, when the order is for five or more items, BUT IS NOT ALLOWED ON AN ORDER FOR A SINGLE ITEM, NOR ON POTATOES, ONION SETS, BULBS, GRASS SEEDS AND FIELD SEEDS, SUCH AS FIELD CORN, OATS, BARLEY, COW-PEAS, ETC. ON ORDERS OF PACKETS OR OUNCES AMOUNTING TO \$1.00, DEDUCT 20 CENTS FROM EACH ONE DOLLAR SENT.

We prefer giving our customers the advantage in good, solid money, than by offering premiums of books, and many other things with little or no value—with the cash discount you then can buy what you like.

## HOW TO BE SUCCESSFUL IN GROWING VEGETABLES FOR THE HOME GARDEN

In the past two years the public has been awakened to the fact that they are called on by the nation to grow a small garden containing the more useful vegetables for home consumption.

It is the patriotic duty of every American who has a small piece of ground at his or her disposal, or can secure same from a neighbor, to help the nation at this critical time, by helping himself to more of the cheaper food, by growing his own vegetables. Had the foreign countries known prior to going to war what we have learned by their error, they would have been fortified the same as we are trying to fortify ourselves at the present time.

The foreign nations at this time are looking to America for their food supply. It will be necessary for the larger gardeners and growers to ship the majority of their foodstuffs abroad. What America can do in emergency cases has been proven the past two years. It can do still more if you, with a liking for gardening, will put your shoulder to the wheel to increase our own economic strength. The following pages will give you a brief outline of what is necessary to produce a good, home garden.

**A RULE FOR ALL AMATEUR GARDENERS TO WORK UNDER AND WHICH SHOULD BE STRICTLY ADHERED TO IS AS FOLLOWS: PLANT ALL SEEDS FROM THREE TO FOUR TIMES THEIR OWN THICKNESS UNDER THE SURFACE OF THE SOIL.**

### HOW AND WHEN TO PLANT

For the benefit of our many customers, we are publishing on one of the following pages, a complete table, giving the best time, when and how to plant. Unless you have competent help, do not attempt too large a garden in the beginning. A small one thoroughly manured with pulverized sheep manure, and thoroughly worked, will give better results and more vegetables than one that is too large and poorly worked. Make the soil as rich as possible. One hundred pounds of pulverized sheep manure to a plot of ground 20 by 30 will be sufficient for the entire summer.

### PREPARING THE SOIL

The soil should be thoroughly pulverized and enriched frequently by a liberal dressing of pulverized sheep manure, spread over the surface and dug under as early in the Spring as the soil will crumble into a loose, fine condition. Be careful not to dig the soil when it is soggy or wet, as it will be hard to work the entire season. As stable manure is very hard to get at the present time, we have recommended the pulverized sheep manure, which can be had from us at all times during the year, and one hundred pounds will go much farther than two cart loads of well rotted manure. Should your ground be sour or if there are red worms in the ground, which will denote same, a dressing of air-slacked lime will be found to be very beneficial. Although not a plant food of itself, its action makes plant food available, which without its aid would lie dormant. As soon as the soil will work up in the proper condition, sowings can be made as per our kitchen garden table, given on page 1.

### THE SEEDBED

For small gardens, it would be better to start the early vegetables indoors in small boxes. The plants then can be set out very early in the Spring. For late plants, such as late cabbage, celery, etc., a small corner sheltered by the fence can be put aside for this purpose. Manure same well and the plants then can be taken from the seedbed and transplanted later when the time arrives. We would suggest, however, that tomatoes, eggplants and peppers be started indoors, as they are rather tender.

### INTENSE GARDENING

Can be had by the following methods: As soon as your early varieties, such as peas, lettuce, radishes, are finished, the beds or rows should be freshly dug, a little fresh manure sprinkled in the rows and worked over thoroughly. Then plant it with other vegetables to keep up a constant supply in the garden, and, at the same time, you will keep out weeds and have plenty of vegetables to eat at all times during the year.

### SOWING SMALL SEED

A small furrow should be made in the fine surface of the soil with a stick or a rake handle laid out and pressed into the ground. The furrow should not be over a quarter to a half inch deep, varying with the size of the seed

to be sown, and according to the rule given above. Then, by taking the rake and using it as a stomper, you can cover the seeds sufficiently with the fine soil, until it is time to cultivate properly. The firming of seed brings it in close contact with the earth and greatly assists it in germination.

**MAKING HILLS** The soil should be removed 10 to 12 inches in depth, about a half a shovelful of pulverized sheep manure placed in the bottom of this hole, the ground then hoed up carefully, making a hill about 4 inches above the level of the soil, packing it down with the back of the hoe for a space possibly 12 inches in diameter. The seeds then should be planted on top of this hill, such as melons, cucumbers, pole beans, etc., and then a light covering of the soil thrown up with the hoe and packed down firmly on top should give you very good results. Hills made this way can also be utilized for tomatoes, eggplants and peppers and should stand about four feet apart each way.

**CULTIVATION** It is absolutely necessary to cultivate the soil to get results. Many persons think that after the seed is in the ground, that is all that is necessary; but frequent cultivations, even when there is no rain, will draw a certain amount of moisture to the roots of the plants, and the more cultivating you give your vegetables, the better they will be and the larger they will grow. After a rain, when the ground dries off sufficiently, is the best time to cultivate, but in long, dry periods do not fail to keep on cultivating.

### GATHERING VEGETABLES

It is only when you get the first vegetables you have grown from your own garden that you appreciate what it is to have a garden of your own. They taste better, especially corn, which has not gone through the process of sweating and taking the sweetness all out of it; and what person does not like to go out to the garden and see a large, ripe, red tomato, and pluck it and eat it. It will taste 100 percent better than any tomato you can buy, and for the best tasted fruit, it is always better to allow it to ripen on the vine.

### MULCHING

Everybody, more or less, has a certain amount of grass to cut around their place. No better use can be made of this grass, caught in a grass catcher attached to the lawn mower, than by placing it on each side of the rows of the vegetables growing. In this way, it keeps the moisture in the soil and also prevents weeds from starting.

### SEEDS TO USE

It is necessary in sowing the seed to get the very best the country can produce (this you can have by using **Holmes' tested seeds of known vitality and purity**), so as not to be disappointed by the seed not coming up, as is oftentimes the case in using commission seeds, which are sold in grocery stores, etc. Our **catalog** gives you a brief description of all the principal varieties of seeds used in America.

### ADVICE

Our forty-three years' experience in the seed business has taught us many things which the amateur gardener does not know. We are perfectly willing and ready at all times to give any advice in regard to seeds, insecticides, or anything pertaining to the garden, if you will kindly call us on the telephone or call at our place of business. We will try to give you this information correctly to the best of our knowledge and should we not know some questions that are put to us, we will gladly look up and get the information for you.

### TABLES

We are constantly asked by many of our customers, questions which we have tried to answer by the following reference tables which many of our patrons will find valuable in making their garden. With the information we have given on these few pages, we believe that everyone can not help but have a good garden of superior vegetables.

### INSECTICIDES

On pages 4 and 5 will be found information pertaining to insecticides, fungicides and blight, to be used on the different plants and vegetables infested by the leaf-eating and leaf-sucking insects, most injurious to the crops. We have endeavored to make these very explicit, so as to enable our many customers to arrive at a definite conclusion and know exactly what to use from the first appearance of any of these insects.



AMOUNT CARRIED OVER.

**HOLMES SEED COMPANY, HARRISBURG, PA.**

[illegible]

# READ!

When you send your order kindly write below the names and full addresses of persons that you know buy and plant seeds. Do not send any names unless you have reason to believe they might send us an order. For doing this you may select two 5-cent packages extra free, when you send in your order.

[illegible]



# KITCHEN-GARDEN PLANTING TABLE

A guide to the proper times for sowing of various Seeds in order to obtain continuous succession of crops

VEGETABLES IN THE KITCHEN-GARDEN	January	February	March	April	May	June	July	August	September	October	November	December	Explanation of Signs Used in the Table
Artichoke				●	●								<p>● To be sown in open ground without transplanting. Plants have to be thinned out, given proper distance.</p> <p>1. Sow on seed bed in the garden, and transplant thence to permanent place.</p> <p>2. Make two sowings in open ground during the month.</p> <p>3. Make three sowings in open ground during the month.</p> <p>4. Start in greenhouse or hotbed, and plant out as soon as the ground is in good shape and weather permits.</p> <p>5. Sow in open ground as soon as it can be worked.</p> <p>6. To be grown only in hotbed or greenhouse.</p> <p>7. Sow in coldframe; keep plants there over winter with a little protection. Plant out in spring as soon as the ground can be worked.</p> <p>8. To be sown in open ground, and protected with litter over winter.</p> <p>9. Plant in frame. When cold weather sets in, cover with sash and straw mats. Plants will be ready for use in December and January.</p> <p>10. Plant in cellar, barn or under benches in greenhouse.</p> <p>11. Plant outdoors in prepared beds.</p> <p>12. Sow every week in greenhouse or frame, to have a good succession.</p> <p>N. B.—For last planting of beans, sweet corn, kohlrabi, peas and radishes, or even tomatoes, take the earliest varieties, just the same as are used for first planting.</p> <p>The late sowings of salsify are intended to remain undisturbed over winter. Roots from these sowings will, the next year, attain a size double that usually seen.</p>
Asparagus			5	●									
Beans, Bush	6	6	6	●	2	2	2	●					
“ Pole and Lima					●	●							
Beets			4	4	●	●	●	●					
Borecole, or Kale					1	1	1						
Broccoli		4	4	1	1	1			7	7			
Brussels Sprouts					1	1							
Cabbage, all sorts		4	4	1	1	1			7	7			
Carrot	6	6	5	●	●	●	●						
Cauliflower	6	4	4	1	1	1							
Celeriac		4	4	1	1	1							
Celery		4	4	1	1	1							
Chicory			5	●	●	●							
Collards							●	●	●				
Corn, Field				●	●	●							
“ Sweet				2	2	2	2	●					
“ Pop				●	●	●							
Corn Salad			5	●	●	●			8				
Cress	12	12	12	12	●	●			12	12	12	12	
Cucumber	6	6	6	4	●	●		6	6				
Eggplant		6	4	1	1	1							
Endive				1	1	1	1						
Kohlrabi	6	6	4	1	1	1	1						
Leek		4	4	1	1	1							
Lettuce	6	4	4	1	2	2	2	●	9	9	7		
Mangel			5	●	●	●							
Melon	6	6	6	4	●	●	9	6					
Mushroom	10	10	11					11	10	10	10	10	
Mustard	12	12	12	●	●	●		●	●	12	12	12	
Nasturtium				●									
Okra			4	4	2	2	2						
Onions		4	4	1	1								
Parsnips			5	●	●	●							
Parsley	6	6	4	●	●	●	●						
Peas			5	2	2	2	2	●		●			
Pepper		4	4	4	1								
Potatoes				●	●								
Pumpkin				4	●	●							
Radish	12	12	12	3	3	3			9	9			
Rutabaga								●	●				
Salsify			5	●				●	●				
Spinach			5	●	●				2	8			
Squash			4	4	●	●							
Tomato	6	6	4	1	1	1		6	6	6			
Turnip								●	●				

Compare the column number with explanations given on right-hand side of table.

## Quantity of Seed Required for a Given Length of Drill

	Feet of Drill
Asparagus.....	1 oz. 50
Beet.....	1 oz. 60
Beans—Dwarf.....	1 pt. 60
Carrot.....	1 oz. 150
Endive.....	1 oz. 100
Okra.....	1 oz. 40
Onions.....	1 oz. 50
Onion Sets.....	1 pt. 20
Parsley.....	1 oz. 125
Parsnips.....	1 oz. 150
Peas.....	1 pt. 50
Radishes.....	1 oz. 100
Salsify.....	1 oz. 60
Spinach.....	1 oz. 100
Turnip.....	1 oz. 150

## Weight of Manure and Fertilizers to Apply to Different Crops per Acre

Potatoes, Pulverized Sheep, 800 to 1,000 lbs. in the rows.
Mangel Wurzel ..Stable 20 to 30 tons
Carrots.....Stable 12 to 20 tons
Beans.....Stable 12 to 20 tons
Onions.....Stable 25 to 40 tons
Nitrate of Soda and Potash...250 lbs.
Salt.....250 to 500 bls.
Concentrated Fertilizers
for garden or field
culture.....500 to 800 lbs.

## Quantity of Seed Required for a Given Number of Plants

	Plants
Asparagus.....	1 oz. 300
Cabbage.....	1 oz. 2,000
Cauliflower.....	1 oz. 2,000
Celery.....	1 oz. 2,500
Leek.....	1 oz. 1,500
Endive.....	1 oz. 3,000
Egg Plant.....	1 oz. 1,000
Lettuce.....	1 oz. 3,000
Pepper.....	1 oz. 1,000
Tomato.....	1 oz. 1,300
Thyme.....	1 oz. 4,000
Sage.....	1 oz. 1,000
Savory.....	1 oz. 2,000
Marjoram.....	1 oz. 1,500
Rhubarb.....	1 oz. 500

## MATURITY TABLE

Beans, table use.....	40 to 50 days
Beets, table use.....	50 to 70 days
Cabbages, early, for cutting.....	70 to 80 days
Cabbages, late, for cutting.....	100 to 120 days
Carrots, table use.....	60 to 70 days
Celery, table use.....	120 to 140 days
Sweet Corn, table use.....	65 to 80 days
Cucumbers, table use.....	45 to 60 days

Lettuce, table use.....	40 to 50 days
Melons, table use.....	65 to 90 days
Onions, for storage.....	80 to 120 days
Peas, table use.....	50 to 70 days
Radishes, table use.....	25 to 45 days
Tomato, table use.....	90 to 100 days
Turnips, for storage.....	65 to 90 days



# REFERENCE TABLES

Number of plants to the acre at given distances

Dis. Apart	No. Plants	Dis. Apart	No. Plants	Dis. Apart	No. Plants	Dis. Apart	No. Plants
12 x 1 in.....	522,720	24 x 24 in.....	10,890	36 x 36 in.....	4,340	60 x 60 in.....	1,743
12 x 3 in.....	174,240	30 x 1 in.....	209,088	42 x 12 in.....	12,446	8 x 1 ft.....	5,445
12 x 12 in.....	43,560	30 x 6 in.....	34,848	42 x 24 in.....	6,223	8 x 3 ft.....	1,815
16 x 1 in.....	392,040	30 x 12 in.....	17,424	42 x 36 in.....	4,143	8 x 8 ft.....	680
18 x 1 in.....	348,480	30 x 16 in.....	13,068	48 x 12 in.....	10,890	10 x 1 ft.....	4,356
18 x 3 in.....	116,160	30 x 20 in.....	10,454	48 x 18 in.....	7,790	10 x 6 ft.....	726
18 x 12 in.....	29,040	30 x 24 in.....	8,712	48 x 24 in.....	5,445	10 x 10 ft.....	435
18 x 18 in.....	19,360	30 x 30 in.....	6,970	48 x 30 in.....	4,356	12 x 1 ft.....	3,630
20 x 1 in.....	313,635	36 x 3 in.....	58,080	48 x 36 in.....	3,630	12 x 5 ft.....	736
20 x 20 in.....	15,681	36 x 12 in.....	14,520	48 x 48 in.....	2,723	12 x 12 ft.....	302
24 x 1 in.....	261,360	36 x 18 in.....	9,680	60 x 36 in.....	2,901	16 x 1 ft.....	2,722
24 x 18 in.....	15,520	36 x 24 in.....	7,260	60 x 48 in.....	2,178	16 x 16 ft.....	170

Quantity of Seed Requisite to Produce a Given Number of Plants and Sow an Acre

Quantity per Acre	Quantity per Acre	Quantity per Acre
Artichoke, 1 oz. to 500 plants..... 6 oz.	Cucumber, 1 oz. to 100 hills..... 1 to 3 lbs.	Onion Seed, $\frac{1}{2}$ oz. to 100 ft. of drill..... 4 to 5 lbs.
Asparagus, 1 oz. to 800 plants..... 4 lbs.	Dill, $\frac{1}{2}$ oz. to 100 feet of drill..... 5 lbs.	Onion Seed for sets..... 40 to 80 lbs.
Asparagus roots..... 1000 to 7250	Egg Plant, 1 oz. to 2,000 plants..... 4 oz.	Onion Sets, 2 lbs. to 40 feet of drill..... 250 lbs.
Barley..... 120 lbs.	Endive, $\frac{1}{4}$ oz. to 100 feet of drill..... $4\frac{1}{2}$ lbs.	Parsnip, $\frac{1}{4}$ oz. to 100 feet of drill..... 3 lbs.
Beans, dwarf, 1 lb. to 100 ft. of drill..... 60 lbs.	Flax, broadcast..... 30 lbs.	Parsley, $\frac{1}{4}$ oz. to 100 feet of drill..... 3 lbs.
Beans, pole, 1 lb. to 100 hills..... 30 lbs.	Garlic, bulbs, 1 lb. to 10 feet of drill.....	Peas, garden, 1 lb. to 100 feet of drill..... 55 to 120 lbs.
Beet, garden, 1 oz. to 100 feet of drill..... 7 lbs.	Gourd, 2 oz. to 100 hills.....	Peas, field..... 120 lbs.
Beet, Mangel, 1 oz. to 100 feet of drill..... 5 lbs.	Grass, Blue, Kentucky..... 15 to 20 lbs.	Pepper, 1 oz. to 1,500 plants.....
Broccoli, 1 oz. to 5,000 plants..... 2 oz.	Grass, Millet..... 25 lbs.	Pumpkin, $\frac{3}{4}$ lb. to 100 hills..... 3 to 4 lbs.
Brussels Sprouts, 1 oz. to 5,000 plants..... 2 oz.	Grass, Mixed Lawn..... 60 to 100 lbs.	Radish, $\frac{2}{3}$ oz. to 100 ft. of drill..... 10 to 12 lbs.
Buckwheat..... 15 to 25 lbs.	Grass, Red Top Fancy..... 8 to 10 lbs.	Ruta Baga..... 2 to 4 lbs.
Cabbage, 1 oz. to 5,000 plants.....	Grass, Rhode Island Bent..... 25 to 40 lbs.	Rye..... 60 to 90 lbs.
Carrot, $\frac{1}{4}$ oz. to 100 feet of drill..... $2\frac{1}{2}$ lbs.	Grass, Timothy..... 10 to 15 lbs.	Sage in drills..... 4 to 5 lbs.
Cauliflower, 1 oz. to 5,000 plants.....	Grass, Orchard, Perennial Rye and Wood Meadow..... 25 to 35 lbs.	Salsify, $\frac{1}{4}$ oz. to 100 feet of drill..... 8 lbs.
Celery, 1 oz. to 15,000 plants.....	Hemp..... 25 lbs.	Spinach, $\frac{1}{2}$ oz. to 100 feet of drill..... 8 lbs.
Chicory..... 4 lbs.	Horse Radish Roots..... 10000 to 15000	Summer Savory..... $\frac{3}{4}$ lb.
Clover, Alsike..... 6 lbs.	Kale, 1 oz. to 5,000 plants, or 200 feet of drill.....	Sunflower..... 8 lbs.
Clover, Alfalfa or Lucerne..... 15 to 25 lbs.	Kohl Rabi, $\frac{1}{2}$ oz. to 100 feet of drill..... 4 lbs.	Squash, summer, 4 oz. to 100 hills..... 4 lbs.
Clover, Mammoth..... 8 to 12 lbs.	Leek, $\frac{1}{2}$ oz. to 100 feet of drill..... 4 lbs.	Squash, winter, 8 oz. to 100 hills..... 2 lbs.
Clover, Medium..... 8 to 12 lbs.	Lettuce, $\frac{1}{4}$ oz. to 100 feet of drill..... 3 lbs.	Tomato, 1 oz. to 2,000 to 3,000 plants.....
Clover, White Dutch..... 6 lbs.	Melon, Musk, 1 oz. to 100 hills..... 1 to 3 lbs.	Tobacco, 1 oz. to 5,000 plants.....
Collards, 1 oz. to 5,000 plants.....	Melon, Water, 4 oz. to 100 hills..... $1\frac{1}{2}$ to 4 lbs.	Turnip, 1 oz. to 250 feet of drill..... 1 to 3 lbs.
Corn, rice (shelled)..... 4 lbs.	Nasturtium, 2 oz. to 100 feet of drill..... 15 lbs.	Vetch, spring..... 90 to 120 lbs.
Corn, sweet, $\frac{1}{4}$ lb. to 100 hills..... 12 lbs.	Okra, 1 oz. to 100 feet of drill..... 8 lbs.	Vetch, Hairy or Sand..... 30 to 60 lbs.
Cowpea, in drills..... 60 lbs.		
Cress, $\frac{3}{4}$ oz. to 100 feet of drill..... 12 lbs.		

Table to Assist Farmers and Gardeners in Making Accurate Estimate of the Amount of Land in Different Fields Under Cultivation

10 rods x 16 rods equal..... 1 acre	40 yards x 121 yards equal..... 1 acre
8 rods x 20 rods equal..... 1 acre	209 feet x 209 feet equal..... 1 acre
5 rods x 32 rods equal..... 1 acre	200 feet x 108.9 feet equal..... 1 acre
4 rods x 40 rods equal..... 1 acre	100 feet x 145.2 feet equal..... $\frac{1}{2}$ acre
5 yards x 968 yards equal..... 1 acre	100 feet x 108.9 feet equal..... $\frac{1}{2}$ acre
10 yards x 484 yards equal..... 1 acre	

## FOREIGN NAMES OF VEGETABLES AND HERBS

ENGLISH	GERMAN	FRENCH	SPANISH	ITALIAN	DANISH-NORWEGIAN	POLISH
Anise.....	Anis, Grüner Anis.....	Anis.....	Anis, Matalahuga.....	Aniso, Anacio.....	Anis.....	Anyz
Artichoke.....	Artischoke.....	Artichaut.....	Alcachofa.....	Articiocca.....	Artiskok.....	Karczochy
Asparagus.....	Spargel.....	Asperge.....	Esparrago.....	Asparagio.....	Asparges.....	Szparagi
Balm.....	Citronen-Melisse.....	Melisse citronelle.....	Toronjil, Citronella.....	Melissa.....	Balsamurt.....	Balsam
Basil.....	Basilikum.....	Basilic grand.....	Albaca.....	Basilico.....	Basilikum.....	Bazylija
Beans.....	Bohnen.....	Haricots.....	Habichuela.....	Fagioli.....	Boenner.....	Fasola
Beet.....	Rübe.....	Bettcrave.....	Remolacha.....	Barbabetola.....	Roedbede.....	Buraki
Borage.....	Boretsch.....	Bourrache.....	Borrja.....	Boragine.....	Borago.....	Boraz
Broccoli.....	Spargelkohl.....	Chou Brocoli.....	Broculi.....	Brocoli.....	Broccoli-Kaal.....	Brokuly
Brussels Sprouts.....	Rosenkohl.....	Chou de Bruxelles.....	Bretones de Bruselas.....	Cavolo di Bruxelles.....	Rosenkaal.....	Latorvil
Cabbage.....	Kopfkohl, Kraut.....	Chou pommé.....	Col repello.....	Cavolo cappuccio.....	Hovedkaal.....	Kapusta
Cabbage, Savoy.....	Wirsing.....	Chou de Milan.....	Col de Milan.....	Cavolo di Milano.....	Savoikaal.....	Sabaudzka Kapusta
Caraway.....	Feld-Kümmel.....	Cumin des prés.....	Comino.....	Carvi.....	Karve.....	Kminek
Carrot.....	Carotten, Möhren.....	Carotte.....	Zanahoria.....	Carota.....	Gulerod.....	Marchew
Cauliflower.....	Blumenkohl.....	Chou-fleur.....	Coliflor.....	Cavolflore.....	Blomkaal.....	Kalafory
Celery.....	Sellerie.....	Céleri.....	Apio.....	Sedano.....	Selleri.....	Selery
Celeriac.....	Knoll-Sellerie.....	Céleri-rave.....	Apio-nabo.....	Sedano-rapa.....	Knopselleri.....	Selery (Korzen)
Cervil.....	Kerbel.....	Cerfeuil.....	Perifollo.....	Cerfoglio.....	Kjoervel.....	Czechrzyca
Chicory.....	Cichorien wurzel.....	Chicorée sauvage.....	Achicoria.....	Cicoria selvatica.....	Cichorie.....	Cykorya
Coriander.....	Coriander.....	Coriandre.....	Culantro.....	Coriandorlo.....	Koriander.....	Koledra
Corn Salad.....	Feldsalat.....	Mache.....	Canonigos.....	Valeriana.....	Vaarsalat.....	Ziarno Salaty
Corn.....	Mais.....	Mais.....	Maiz.....	Mais.....	Mais.....	Kukurydza
Cress.....	Garten-Kresse.....	Cresson alénois.....	Mastuerzo.....	Agretto.....	Karse.....	Rzeczucha
Cress, Water.....	Brunnenkresse.....	Cresson de fontaine.....	Berro.....	Nasturtio aquatico.....	Broendkarse.....	Rzeczucha wodna
Cucumber.....	Gurken.....	Concombre.....	Cohombro.....	Cetriolo.....	Agurk.....	Ogorek
Dandelion.....	Löwenzahn.....	Pissenlit.....	Diente de leon.....	Dente di leone.....	Locvetand.....	Papawa
Dill.....	Dill.....	Aneth.....	Eneldo.....	Aneto.....	Dil.....	Koper
Egg Plant.....	Eierpflanze.....	Aubergine.....	Berengena.....	Petronciano.....	Aegplante.....	Gruszka milosna
Endive, Curled.....	Endivien.....	Chicorée Endive.....	Endivia.....	Endivia.....	Endivie.....	Endywia
Endive.....		Chicorée-Scarole.....				
Broad Leaf.....	Escariol.....	Ronde.....	Escarolo.....	Endivia Scariola.....		
Fennel.....	Fenchel.....	Fenouil.....	Hinojo.....	Finocchio.....	Pennikel.....	Koper
Garlic.....	Knoblauch.....	Ail.....	Ajo.....	Aglio.....	Hvidloeg.....	Czosnek

## FOREIGN NAMES OF VEGETABLES AND HERBS—Continued

ENGLISH	GERMAN	FRENCH	SPANISH	ITALIAN	DANISH-NORWEGIAN	POLISH
Horehound.....	Andorn.....	Marrube blanc.....	Marrubio.....	Marrubio.....	Peberrod.....	Marubium.....
Horse Radish.....	Meer Rettig.....	Raffort sauvage.....	Taramago.....	Rafano.....	Isop.....	Chlrzan.....
Hyssop.....	Isop.....	Hyssope.....	Hisopo.....	Isopo.....	Isop.....	Hyzop.....
Kalc.....	Blätterkohl.....	Chou vert.....	Breton, Berza.....	Cavolo verde.....	Groenkaal.....	Solanka.....
Kohl Rabi.....	Knollkohl.....	Chou-rave.....	Col rabano.....	Cavolo rapa.....	Kaalrabi.....	Kalarepa.....
Lavender.....	Lavendel.....	Lavende.....	Espliego.....	Lavanda.....	Lavenda.....	Lawenda.....
Leck.....	Porree, Lauch.....	Poircau.....	Puerro.....	Porro.....	Purre.....	Pory.....
Lettuce.....	Lattich, Kopfsalat.....	Laitue.....	Lechuga.....	Lattuga.....	Salat.....	Salata.....
Marjoram.....	Majoran.....	Majolaine.....	Mejorana.....	Maggiorana.....	Merian.....	Majeranek.....
Melon.....	Melone.....	Melon.....	Melon.....	Popone.....	Melon.....	Mclon.....
Melon, Water.....	Wasser-Melone.....	Melon d'eau.....	Sandia.....	Melone d'aqua.....	Vandmelon.....	Melon, wodny.....
Mushroom.....	Schwamm.....	Champignon.....	Seta.....	Fungo pratajolo.....	Champignon.....	Grzyb.....
Nasturtium.....	Kapuciner Kresse.....	Capucine.....	Capuchina.....	Nasturzio.....	Blomkarse.....	Nasturcya.....
Okra.....	Ocher.....	Gombaud.....	Gombo.....	Ocra.....	Hibiskus.....	.....
Onion.....	Zwiebel.....	Ognon.....	Cebolla.....	Cipollo.....	Roedloeg.....	Cebula.....
Parsley.....	Petersilie.....	Persil.....	Perejil.....	Prezzemolo.....	Persille.....	Pietruszka.....
Parsnip.....	Pastinake.....	Panais.....	Chirivía.....	Pastinaca.....	Pastinak.....	Pasternak.....
Peas.....	Erbsen.....	Pois.....	Guisante.....	Pisello.....	Erter.....	Groch.....
Pepper.....	Pfeffer.....	Piment.....	Pimicento.....	Peperone.....	Spansk Peber.....	Pieprz.....
Pumpkin.....	Melonen-Kürbiss.....	Potiron.....	Calabaza totanera.....	Zucca.....	Graeskar.....	Bania.....
Radish.....	Radis.....	Radis.....	Rabanito.....	Ravanello.....	Reddik.....	Rzodkiew.....
Rhubarb.....	Rhabarber.....	Rhubarbe.....	Ruibarbo.....	Rabarbaro.....	Rhabarber.....	Rubarbarum.....
Rosemary.....	Rosmarin.....	Romarin.....	Romero.....	Rosmarino.....	Rosmarin.....	Rozmaryn.....
Rue.....	Raute.....	Rue.....	Ruda.....	Rude.....	Ruta.....	Ruta.....
Ruta Baga.....	Kohlrübe, Wrucken.....	Chou-navet.....	Col nabo, Nabicol.....	Cavolo navone.....	Roe.....	.....
Saffron.....	Safran.....	Safran.....	Azafran.....	Zafferano.....	Safran.....	Szafra.....
Sage.....	Salbei.....	Sauge.....	Salvia.....	Salvia.....	Salvie.....	Szawlwia.....
Salsify.....	Haferwurz.....	Salsifis.....	Salsifi blanco.....	Sassefrica.....	Havrerod.....	Jarzy Ostryga.....
Sorrel.....	Saucrampfer.....	Oseille.....	Acedera.....	Acetosa.....	Syre.....	Szczaw.....
Summer Savory.....	Bohnenkraut.....	Sarriette annuelle.....	Ajedrea comun.....	Santoreggia.....	Sar.....	Cabaz ogrodowy.....
Spinach.....	Spinat.....	Epinard.....	Espinaca.....	Spinace.....	Spinat.....	Szpinak.....
Squash.....	Kürbiss.....	Courge.....	Calabaza.....	Zucca.....	Squash-graeskar.....	Miekurz.....
Swiss Chard.....	Beisskohl.....	Poiree.....	Bleda.....	Bieta.....	Blad bede.....	.....
Thyme.....	Thymian.....	Thym.....	Tomillo.....	Timo.....	Timian.....	Macierzanka.....
Tomato.....	Liebesapfel.....	Pomme d'Amour.....	Tomate.....	Pomo d'oro.....	Tomat.....	Pomidor.....
Turnip.....	Weisse-Rübe.....	Navet.....	Nabo.....	Navone.....	Turnips.....	Rzepa, brukiew.....
Wormwood.....	Wermuth.....	Absinthe.....	Ajenjo.....	Assenzio.....	Malurt.....	Piotun.....

## VEGETABLES—SEED SOWING AND PLANTING TABLE FOR HOME GARDENERS

VARIETY OF VEGETABLE	TIME TO SOW		BEST GERMINATING TEMPERATURE	TIME REQUIRED TO GERMINATE	TIME REQUIRED FOR MATURITY FROM DATE SOWN	PLANTING DISTANCE		AMOUNT OF SEED, ETC., REQUIRED	DEPTH OF PLANT
	UNDER GLASS	OPEN GROUND				APART IN ROWS	ROWS APART		
ARTICHOKE, Globe.....	.....	May.....	65°	.....	.....	2-3 ft.....	2-3 ft.....	½ oz. for 100 ft. row.	1-2 in.
ARTICHOKE, Jerusalem.....	.....	May.....	65°	.....	.....	2-3 ft.....	2-3 ft.....	½ oz. for 100 ft. row.	1-2 in.
ASPARAGUS, Seeds.....	.....	April & May.....	60°	20 to 28	3 to 4 years	.....	.....	2 oz. for 100 ft. row.	1-2 in.
ASPARAGUS, Roots.....	.....	April.....	.....	.....	.....	1 ft.....	2 ft.....	100 for 100 ft. row.	3-5 in.
BEANS, Dwarf.....	.....	May to Aug.....	75°	6 to 10	45 to 75 days	3 in.....	2 ft.....	1 qt. for 100 ft. row.	½-2 in.
BEANS, Pole and Lima.....	.....	May to June.....	80°	6 to 10	65 to 100 days	3 ft.....	4 ft.....	1 qt. for 100 hills.	1-2 in.
BEETS.....	.....	April to Aug.....	60°	7 to 10	60 to 75 days	4 in.....	1 ft.....	2 oz. for 100 ft. row.	1-2 in.
BORECOLE (Kale) For Spring use.....	.....	Aug. and Sept.....	70°	6 to 10	85 to 120 days	2 ft.....	2½ ft.....	¾ oz. for 100 ft. row.	½ in.
For Fall use.....	.....	June.....	70°	6 to 10	85 to 120 days	2 ft.....	2½ ft.....	¾ oz. for 100 ft. row.	½ in.
BRUSSELS SPROUTS.....	.....	April to July.....	70°	6 to 10	100 to 120 days	1½ ft.....	2½ ft.....	¼ oz. for 100 ft. row.	½ in.
CABBAGE, Early.....	Feb'y.	April.....	70°	6 to 10	100 to 125 days	1½ ft.....	2 ft.....	¼ oz. for 100 ft. row.	½ in.
CABBAGE, Late.....	.....	May and June.....	70°	6 to 10	120 to 180 days	2½ ft.....	2½ ft.....	¼ oz. for 100 ft. row.	½ in.
CARROT, Early.....	March	April.....	60°	10 to 15	65 to 85 days	4 in.....	1½ ft.....	1 oz. for 100 ft. row.	½ in.
CARROT, Late.....	.....	May to July.....	60°	10 to 15	100 to 120 days	5 in.....	2 ft.....	1 oz. for 100 ft. row.	½ in.
CAULIFLOWER, Early.....	Feb'y.	April.....	70°	6 to 10	100 to 115 days	1½ ft.....	2½ ft.....	¼ oz. for 100 ft. row.	½ in.
CAULIFLOWER, Late.....	.....	May and June.....	70°	6 to 10	100 to 135 days	2 ft.....	3 ft.....	¼ oz. for 100 ft. row.	½ in.
CELERY.....	.....	April.....	60°	12 to 20	125 to 150 days	6 in.....	3 to 5 ft.....	¼ oz. for 100 ft. row.	½ in.
CHEVIL.....	.....	April and May.....	60°	.....	.....	broadcast.....	20 in.....	1 oz. for 100 ft. row.	1 in.
CORN, SUGAR.....	.....	May to July.....	75°	8 to 10	60 to 100 days	3 ft.....	4 ft.....	1 qt. for 200 hills.	1-2 in.
CRESS, Wallis.....	.....	April.....	70°	.....	.....	broadcast.....	.....	½ oz. for 100 ft. row.	on sur.
CUCUMBER.....	.....	May to July.....	80°	6 to 8	60 to 85 days	4 ft.....	4 ft.....	1 oz. for 60 hills.	1-2 in.
EGG PLANT.....	March	April to Aug.....	80°	10 to 14	125 to 160 days	2½ ft.....	2½ ft.....	¼ oz. for 100 ft. row.	½-1 in.
ENDIVE.....	Feb'y.	April to Aug.....	60°	6 to 10	75 to 100 days	1 ft.....	1 ft.....	1 oz. for 100 ft. row.	½-1 in.
HORSE RADISH.....	.....	April and May.....	60°	.....	.....	14-20 in.....	2½ ft.....	70 roots for 100 ft.	3-4 in.
KOHLRABI.....	.....	April to July.....	70°	6 to 8	65 to 85 days	1 ft.....	2 ft.....	¼ oz. for 100 ft. row.	½ in.
LEEK.....	Feb'y.	April and May.....	60°	6 to 10	120 to 160 days	6 in.....	1½ ft.....	1 oz. for 100 ft. row.	1 in.
LETTUCE.....	Feb'y.	April to Aug.....	60°	6 to 10	75 to 100 days	1 ft.....	1 ft.....	¼ oz. for 100 ft. row.	½ in.
MELON, MUSK.....	.....	May to June.....	80°	6 to 10	90 to 120 days	4 ft.....	4 ft.....	1 oz. for 60 hills.	1-2 in.
MELON, WATER.....	.....	May to June.....	80°	8 to 12	100 to 125 days	8 ft.....	8 ft.....	1 oz. for 30 hills.	1-2 in.
ONION, Seed.....	Feb'y.	April and May.....	60°	6 to 10	120 to 150 days	3 in.....	1 ft.....	1 oz. for 100 ft. row.	½-1 in.
ONION, Sets.....	.....	April and May.....	60°	.....	.....	3 in.....	1 ft.....	3 pts. for 100 ft. row.	1-2 in.
PARSLEY.....	.....	April and May.....	60°	18 to 24	90 to 100 days	4 in.....	1 ft.....	¾ oz. for 100 ft. row.	½ in.
PARSNIP.....	.....	April.....	60°	12 to 18	100 to 150 days	6 in.....	1½ ft.....	½ oz. for 100 ft. row.	½-1 in.
PEAS, Wrinkled.....	.....	April to July.....	70°	5 to 10	50 to 75 days	2 in.....	2 to 4 ft.....	1 qt. for 100 ft. row.	2-3 in.
PEAS, Smooth.....	.....	April to Aug.....	65°	5 to 10	50 to 65 days	2 in.....	2 to 4 ft.....	1 qt. for 100 ft. row.	2-3 in.
PEPPER.....	March	April to June.....	80°	10 to 14	135 to 150 days	2 ft.....	2½ ft.....	½ oz. for 100 ft. row.	½ in.
POTATOES.....	.....	April to June.....	70°	15 to 25	75 to 100 days	10 in.....	2½ ft.....	1 peck to 100 ft. row.	4 in.
PUMPKINS.....	.....	May to June.....	80°	6 to 10	100 to 125 days	8 ft.....	8 ft.....	1 oz. for 30 hills.	1-2 in.
RADISH.....	March	April to Sept.....	60°	4 to 6	25 to 50 days	2-4 in.....	1 to 1½ ft.	1 oz. for 100 ft. row.	½-1 in.
RHUBARB PLANTS.....	.....	April and May.....	60°	.....	.....	3 ft.....	3 to 5 ft.	33 plants for 100 ft.	2-3 in.
SPINACH.....	.....	April to Sept.....	60°	6 to 12	60 to 75 days	4 in.....	1 to 1½ ft.	1 oz. for 100 ft. row.	1-2 in.
SQUASH, Summer.....	.....	May to July.....	80°	6 to 10	60 to 75 days	4 ft.....	4 ft.....	1 oz. for 50 hills.	1-2 in.
SQUASH, Winter.....	.....	May to June.....	80°	6 to 10	100 to 125 days	8 ft.....	8 ft.....	1 oz. for 50 hills.	1-2 in.
TOMATO.....	.....	June.....	80°	6 to 10	125 to 150 days	3 ft.....	3 ft.....	½ oz. for 100 hills.	½-1 in.
TURNIP.....	Feb. A	April to Sept.....	70°	4 to 7	60 to 75 days	6 in.....	1 to 1½ ft.	¾ oz. for 100 ft. row.	½-1 in.



# “BLACK LEAF 40”

Liquid Nicotine Sulphate Insecticide. (40% Nicotine Guaranteed)

Highly Recommended by Experiment Stations and Agricultural Colleges for Spraying Against  
APHIS, LEAF-HOPPERS, THRIPS, RED BUGS

Many crops are attacked by these pests. They injure the foliage, weaken the plants and reduce both the quantity and quality of the crops; if, indeed, the plants themselves are not destroyed.

These pests belong to the “sucking” class of insects. With their sharp slender beaks they puncture the tissues and suck juices from within the interior of leaf, stem, blossom and twig. They must be destroyed by spraying with a “contact insecticide,” such as “Black Leaf 40.” They can not be destroyed with arsenical poisons like Arsenate of Lead and Paris Green, which must be eaten to be effective.

## SOAP AS A SPREADER

In order to assist the “Black Leaf 40” to penetrate to and thoroughly wet the insect, it is advisable when spraying with “Black Leaf 40” alone to add 3 to 4 pounds of dissolved soap to every 100 gallons of spray. When using “Black Leaf 40” in combination with other sprays, do not use soap. Fish Oil Soap is the best.

## “BLACK LEAF 40” SPRAY CALENDAR (Abbreviated)

PLANTS	INSECTS	PARTS ATTACKED	DILUTE “BLACK 40”	REMARKS
Apple	Green and Rosy Aphis.	Under surface of leaves, fruit, twigs.	1 to 1000	Spray when buds are green in spring. Do not wait till leaves are curled.
	Woolly Aphis.	Trunk, branches, roots.	1 to 800	Spray when insects are present on tops; on roots, remove soil and saturate roots.
	Red Bug.	Leaves, fruit.	1 to 800	Spray when blossoms show pink and when blossoms fall.
Peach Plum Cherry	Black, Green and Mealy Aphis.	Twigs and under surface of leaves.	1 to 800	Spray when buds open in spring and later when insects are present, before leaves curl.
Currant Watermelon Cantaloupe Cucumber	Green Aphis.	Stems and under surface of leaves.	1 to 1000	Spray when insects appear. Use angle nozzle and wet under sides of leaves, where insects work. Spray carefully.
Pea Bean Turnip Potato Tomato Cabbage Pepper	Green, Pink and Black Aphis.	Stems and under surface of leaves; also blossoms and pods.	1 to 800 to 1 to 1000	Spray when insects appear. Use angle nozzle so as to wet under sides of leaves. Spray carefully.
Shrubs Flowers Shade Trees	Aphis Thrips Leaf-Hoppers.	Leaves and blossoms.	1 to 1000	Spray when insects appear. It is best not to spray tender plants during hot sunshine.

**IMPORTANT:** “Black Leaf 40” may be used in combination with Arsenate of Lead, Lime-Sulphur, Bordeaux Mixture, Sulphur, etc., thereby saving time and labor. Ask or write for special descriptive leaflets.

“BLACK LEAF 40” is highly concentrated—permits of large dilutions; hence inexpensive.

Perfectly soluble in water—does not clog the nozzles nor gum the pump.

Used as directed, it does not injure foliage or fruit.

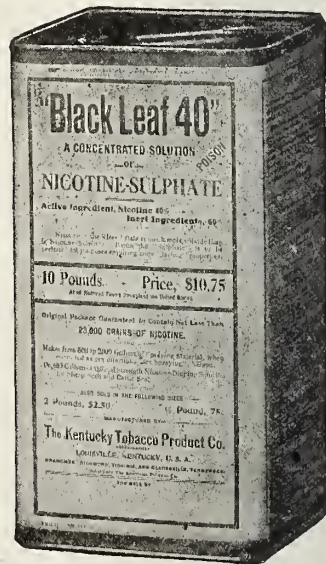
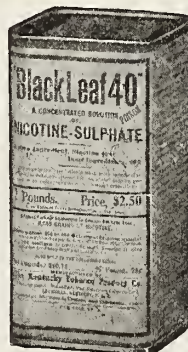
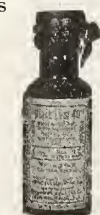
Its strength is guaranteed by the manufacturer.

Complete directions on every package.

“Black Leaf 40” is packed as illustrated at the right. Each package will make the number of gallons of spraying material stated below it; depending upon the various insects to be destroyed. The price of each package is shown at the right.

Protect your plants from Aphis, Thrips, Leaf-Hoppers by using this highly recommended insecticide.

Being a poison this can not go through the mail. Sent only by express.



1 Oz., 25c

½ lb., 75c

2 lbs., \$2.50

10 lbs., \$10.75

Makes 6 Gals. Makes 40-150 Gals.

Makes 160-600 Gals

Makes 800-3000 Gals.



# ORCHARD BRAND SPRAY PRODUCTS

THESE PRICES SUBJECT TO CHANGE WITHOUT NOTICE

The materials we carry in stock and recommend for spraying are ORCHARD BRAND spray products.

We have selected this brand because we desire to offer our customers a complete line of highest grade spraying materials.

## Orchard Brand Lime Sulphur Solution

A highly concentrated Insecticide and Fungicide—tests 33° Beaume at 60° F.

For dormant period spraying on all fruit trees dilute 1 gallon with 8 or 9 of water.

For growing period spraying on apples dilute 1 gallon with 40 gallons water (do not use on peach and plum trees in growing period). Vaseline applied to hands and face will protect the skin from irritation.

10-gallon can.....	\$3 50
½ barrel, per gallon.....	19
Barrel, per gallon.....	17

## Orchard Brand B. T. S.

This is a dry material to be used in the place of Lime Sulphur Solution in both dormant and growing period sprayings (do not use on peach or plum trees in growing period).

Will dissolve readily is suspended in a cheese cloth or muslin bag in the top of a bucket—convenient to handle owing to greatly reduced bulk. For dormant spraying use 4 ounces to a gallon of water (12 to 13 pounds to 50 gallons).

1-lb. package, per lb.....	.35
5-lb. package, per lb.....	.30
10-lb. package, per lb.....	.20
25-lb. package, per lb.....	.13
50-lb. package, per lb.....	.12
100-lb. package, per lb.....	.11

## Orchard Brand Arsenate of Lead Paste

This is a standard insecticide for insects that eat the foliage of plants. Contains not less than 15% Arsenic Oxide.

For general use 1 oz. to a gallon of water is sufficient. For voracious feeders 2 ozs. may be used.

1-lb. package, per lb.....	.35
5-lb. package, per lb.....	.30
10-lb. package, per lb.....	.25
25-lb. package, per lb.....	.23
50-lb. package, per lb.....	.22
100 lb. package, per lb.....	.29

## Orchard Brand Dry Powder Arsenate of Lead

This is a fine flocculent white powder, containing not less than 31% Arsenic Oxide.

It is more convenient to handle than the paste form and may be used for either liquid or dry applications. As it is double the strength of the paste form it is used at half the quantity (½ to ¾ of an oz. to a gallon).

1-lb. package, per lb.....	.55
5-lb. package, per lb.....	.50
10-lb. package, per lb.....	.45
25-lb. package, per lb.....	.42
50-lb. package, per lb.....	.40
100-lb. package, per lb.....	.36

## Orchard Brand Arsenate of Zinc Powdered

This is a quick-acting poison to be used on potatoes, tomatoes and similar truck crops.

Owing to its quick-killing properties, adhesiveness and freedom from injurious effects, it is recognized as the best poison for killing potato bugs, asparagus beetle and similar pests.

Should be applied at the rate of 2 lbs. to an acre.

Do not use on fruit trees or grape vines.

1-lb. package, per lb.....	.50
5-lb. package, per lb.....	.47
10-lb. package, per lb.....	.45
25-lb. package, per lb.....	.42
50-lb. package, per lb.....	.40
100-lb. package, per lb.....	.32

## Orchard Brand Bordeaux Mixture

This is a general fungicide, containing not less than 14% copper hydroxide (equivalent to 9% metallic copper).

For general use on apples, grapes, potatoes, tomatoes and other truck crops, use 2 to 3 ozs. to a gallon of water (7 to 9 lbs. to 50 gal.).

Do not use on peaches, plums or other stone fruits.

1-lb. package, per lb.....	.30
5-lb. package, per lb.....	.28
10-lb. package, per lb.....	.25
25-lb. package, per lb.....	.24
50-lb. package, per lb.....	.23
100-lb. package, per lb.....	.20

## Orchard Brand Bordeaux Lead

This is a combined insecticide and fungicide for general use on apples, grapes, potatoes, tomatoes and similar plants (do not use on peaches and plums).

For general treatment use 2½ to 3½ ozs. per gallon (9 to 10 lbs. to 50 gals.) of water.

1-lb. package, per lb.....	.35
5-lb. package, per lb.....	.32
10-lb. package, per lb.....	.30
25-lb. package, per lb.....	.24
50-lb. package, per lb.....	.20
100-lb. package, per lb.....	.18

## Orchard Brand Bordeaux Zinc

This is a combined insecticide and fungicide for use on potatoes, tomatoes and asparagus.

Use at the rate of 10 lbs. per acre.

1-lb. package, per lb.....	.40
5-lb. package, per lb.....	.35
10-lb. package, per lb.....	.32
25-lb. package, per lb.....	.30
50-lb. package, per lb.....	.25
100-lb. package, per lb.....	.20

## Orchard Brand Atomic Sulphur

This is the safest and best remedy for scab and brown rot on peaches and plums.

Use 1½ to 1¾ ozs. to a gallon (5 lbs. to 50 gals.) of water.

1-lb. package, per lb.....	.25
5-lb. package, per lb.....	.22
10-lb. package, per lb.....	.18
25-lb. package, per lb.....	.16
50-lb. package, per lb.....	.15
100-lb. package, per lb.....	.14

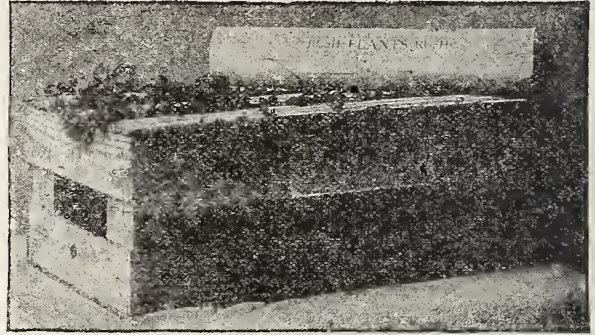
# Holmes' Vegetable Plants

**PLANTS THAT GROW**

**PRICES RIGHT**

**Delivered anywhere East of Mississippi**

"All Varieties" are grown from high quality seeds, packed in ventilated packages to reach you promptly in good growing condition. We prefer to send small orders (2,000 plants or less) by Parcel Post, but FOR YOUR BENEFIT must insist that you GIVE BOTH EXPRESS and POSTOFFICE ADDRESS PLAINLY (state distance to each). Large orders will come EXPRESS PREPAID. **YOU NEED PAY NO POSTAGE OR EXPRESS CHARGES** on vegetable plants. SAFE DELIVERY GUARANTEED. Terms: Cash with order. Note: change of prices under different dates.



All varieties are grown. Mention what you prefer. When no variety names are mentioned we will send what we believe will give you the best results.

## **TRANSPLANTED PLANTS**

All plants are large, well-hardened plants, ready for the field. Uniform plants of great vitality. No weaklings or misses, but every plant a good one. "Business Plants" for the man who plants for profit.

**CABBAGE PLANTS**—Ready April 1 to June 1. Early Jersey Wakefield, Charleston Wakefield, Early Summer, Copenhagen Market. Doz. 15 cts., 2 doz. 25 cts., 100 80 cts., 500 \$3.25, 1,000 \$5.50.

**CELERY PLANTS**—Ready April 1 to June 1. Golden Self-Bleaching, Snow White and Giant Pascal. Doz. 15 cts., 2 doz. 25 cts., 100, 75 cts., 500 \$3, 1,000 \$5.50.

**TOMATO PLANTS**—Ready May 1 to June 15. Improved Earliana, New Dwarf Stone, Success, Red Rock, Ponderosa. Doz. 15 cts., 2 doz. 25 cts., 100 90 cts., 500 \$3.50, 1,000 \$6.

**HEAD LETTUCE**—Ready March 1 to May 1. Iceberg and Big Boston. Doz. 10 cts., 3 doz. 25 cts., 100 75 cts., 500 \$2.50, 1,000 \$4.50.

**SWEET PEPPERS**—Ready May 1 to June 20. Holmes' Sweet Prolific, Ruby King and Chinese Giant. Doz. 20 cts., 3 doz. 50 cts., 100 \$1.25, 500 \$4.50, 1,000 \$7.50.

**EARLY CAULIFLOWER**—Ready March 15 to June 1. Early Snowball. Doz. 20 cts., 3 doz. 50 cts., 100 \$1.25, 500 \$5, 1,000 \$8.

**EGG PLANTS**—Ready May 10. Black Beauty, New York Improved. Doz. 25 cts., 3 doz. 65 cts., 100, \$1.50, 500 \$6, 1,000 \$9.

## **POTTED PLANTS**

**POTTED TOMATOES**—Langdon's Earliana, Holmes' Everbearing, Bonny Best, Chalk's Early Jewel, Matchless and Stone. Ready May 1 to July 1. Doz. 50 cts., 2 doz. 85 cts., 100 \$4.

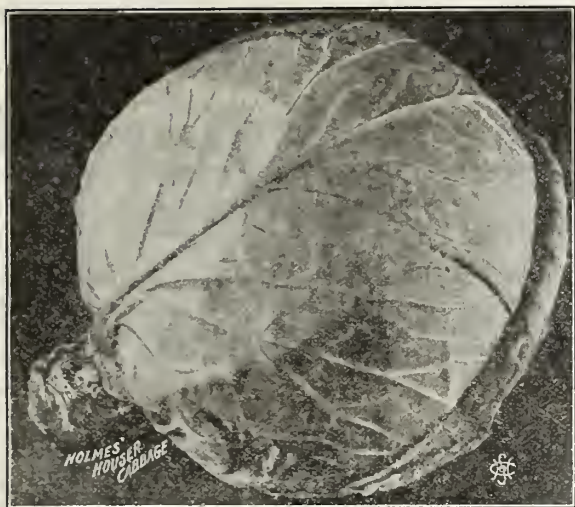
**POTTED EGG PLANTS**—Black Beauty. Doz. 75 cts., 2 doz. \$1.25, 100 \$6.

I get 50 peach baskets of ripe tomatoes from 100 potted plants.

Potted tomato plants will ripen their crop three weeks earlier than Transplanted plants.

**The man who has early ripe tomatoes gets the money for them.**





## LATE TOMATO PLANTS

Five hundred thousand Stone and Chalks Jewel. 60 cts. per 100, \$3 per 1,000, \$11 per 5,000. Ready May 10 to July 10.

## FIELD GROWN PLANTS

**CABBAGE PLANTS**—Ready May 20 to September 1. Three million extra stocky Cabbage Plants sown thin in rows, twelve inches apart. Dug with forks (not pulled up), so every plant has mass of roots. Packed in damp moss and shipped carefully.

Can be shipped safely to Texas, Georgia, Florida, Alabama, Mississippi and Canada, and all nearer States.

All Head Early, Succession, Copenhagen Market, Henderson's Early Summer, Early Jersey Wakefield, Enkhuizen Glory, Flat Dutch and Surehead. 50 cts. per 100, \$3 per 1,000, \$10 per 5,000.

**CELERY PLANTS**—Ready July 1 to September 1. Two million hardy and extra fine plants, raised by heavy fertilization, in rows 14 inches apart, thinned by hand and kept entirely free of weeds. No plants shipped except good, strong plants. (Satisfaction guaranteed.) 50 cts. per 100, \$3.50 per 1,000.

**GOLDEN SELF-BLEACHING** (French Grown Seed)—White Plume, Winter Queen, Giant Pascal and Golden Heart. 50 cts. per 100, \$3 per 1,000.



## NON-WARRANTY

While we endeavor to have all plants true to name, carefully packed and promptly shipped, we give no warranty, expressed or implied, as to description, quality, productiveness or of any other matter, of any of the plants we send out, and will not in any way be responsible for the crop.

All orders accepted subject to plants being unsold.

Every order received will be accepted upon these conditions only, and they must be accepted by the customer when ordering.

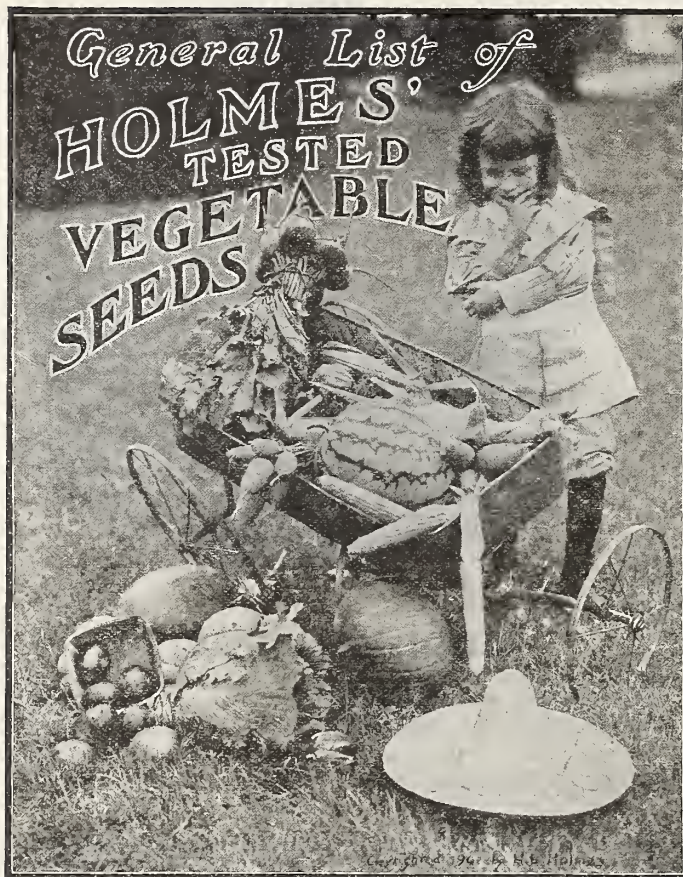


Spray Vegetables with

**"BLACK LEAF 40"**

To Destroy Aphis





TWENTY-THREE YEARS IN BUSINESS  
THIS IS WHAT TALKS

**Satisfaction Guaranteed**

**OR YOUR MONEY BACK**

All Seeds or other articles listed in this Catalog are sold with the understanding that should they fail to please, we will refund the price paid or duplicate your order free.

### BULK SEED DISCOUNTS

On a \$5 Order, Discount is 10 percent.

On a \$10 Order, Discount is 15 percent.

On a \$20 Order, Discount is 20 percent.

This discount is allowed on all general orders for Flower and Vegetable Seeds in packets, ounces, quarter-pounds, pounds, pints, quarts, four quarts, pecks and bushels, when the order is for five or more items, BUT IS NOT ALLOWED ON AN ORDER FOR A SINGLE ITEM, NOR ON POTATOES, ONION SETS, BULBS, GRASS SEEDS AND FIELD SEEDS, SUCH AS FIELD CORN, OATS, BARLEY, COW-PEAS, ETC. ON ORDERS OF PACKETS OR OUNCES AMOUNTING TO \$1.00, DEDUCT 20 CENTS FROM EACH ONE DOLLAR SENT.

We call this Catalog "Holmes"

**Advance Agent**

Since the Parcel Post has been inaugurated, it is now just as easy for the farmer to buy direct from our catalog as to call at our store or have our salesman call on you. "The Tested Seeds" offered by the Holmes Seed Co. are seeds of "Known Vitality and Purity," and are the best soil and cultivation can grow. Forty years' experience enables us to know, and we realize that the farmer and home gardener must have the best that grows.

## ARTICHOKE

Artischoke Articiocca  
Karczocky

*Culture.*—May be grown from seed sown in April, or from suckers taken from established plants. The seed can be sown in beds and the plants transplanted to rows 4 feet apart, 18 inches between. Three ounces of seed will sow 100 yards of row.

**Large Green Globe.**—Grown chiefly for unripe flower heads, delicious.

Pkt., .05; Oz., .25; ¼ Lb., .85

By Mail, Postpaid

## ASPARAGUS

Spargel Spargio  
Szparagi

*Culture.*—Sow in March or April, in rows 1 foot apart. When two years old, transplant into permanent beds. Set the plants in rows from 3 to 4 feet apart and 2 feet in the row, and cover gradually during the season to 6 or 8 inches. On approach of winter cover with manure or straw. One ounce will sow 40 feet of drill.

**BARR'S MAMMOTH.**—Valuable for market; stalks large, tender, light. See illustration.

Pkt., .05; Oz., .10; ¼ Lb., .20; Lb., .75

**Columbian Mammoth White.**—New Variety; valuable for its whiteness.

Pkt., .05; Oz., .10; ¼ Lb., .25; Lb., .85

**Conover's Colossal.**—Mammoth, green, of largest size; extra good.

Pkt., .05; Oz., .10; ¼ Lb., .20; Lb., .75

**GIANT ARGENTEUIL.**—Early, large, good, flavor superb, white.

Pkt., .10; Oz., .15; ¼ Lb., .35; Lb., 1.00

**Palmetto.**—Thick, dark green shoots, early, uniform, disease-resisting.

Pkt., .05; Oz., .10; ¼ Lb., .25; Lb., .85

By Mail, Postpaid

### ASPARAGUS ROOTS

Two years old; 2,500 roots are required to plant an acre.

**Barr's Mammoth, and Columbian Mammoth White.**

Per 100, 1.00; per 500, 3.00; per 1,000, 5.50

**Conover's Colossal.**—Old and well-known variety.

Per 100, .75; per 500, 2.75; per 1,000, 5.00

**Giant Argenteuil.**—Extra good, large.

Per 100, 1.25; per 500, 3.50; per 1,000, 6.50

**Palmetto, or Eclipse.**—Early, prolific.

Per 100, 1.25; per 500, 3.00; per 1,000, 5.50

By Express or Freight, Not Prepaid

## BROCCOLI

One ounce will sow a bed 40 feet square

*Culture.*—Same as cauliflower.

**Early Purple Cape.**—Heads of medium size, close, compact, brownish purple. Best suited to our climate, and of excellent flavor.

Pkt., .05; Oz., .35; ¼ Lb., 1.00; Lb., 3.75

## BRUSSELS SPROUTS

*Culture.*—The seed should be sown in April or May, and the plants cultivated like cabbage. The heads are improved by frost. An ounce of seed will produce 2,000 plants.

**Paris Market.**—Dwarf, with small, solid, tender heads, growing close along the stem.

Pkt., .05; Oz., .20; Lb. ¼, .50; Lb., 1.50



Barr's Mammoth Asparagus





Bountiful or Sure Crop Wax Beans



Giant Stringless Valentine



B.'s Stringless Green Pod



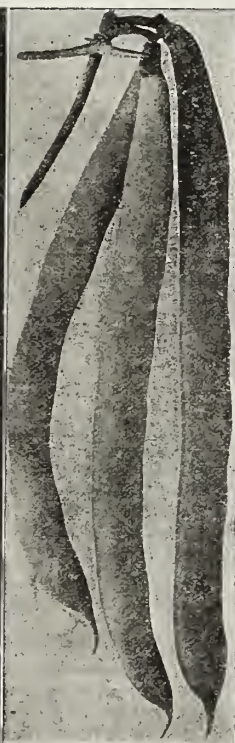
Wardwell's Kidney Wax



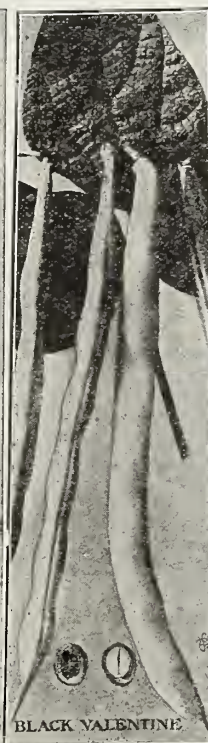
Round Pod Kidney Wax



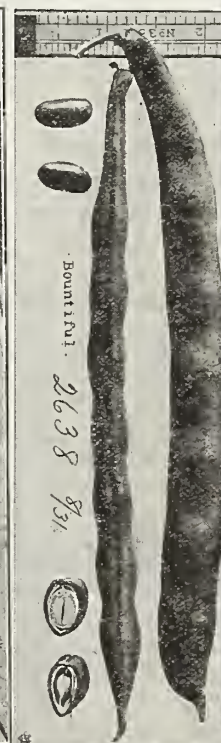
Holmes' Green Prolific Pole Lima



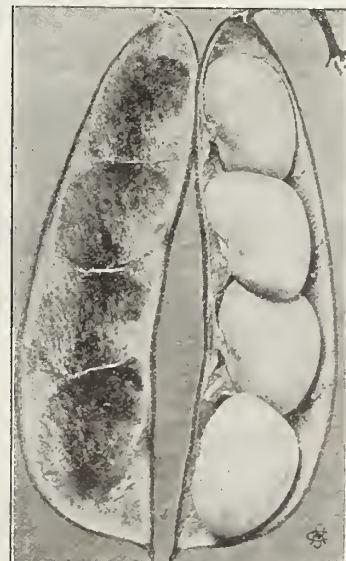
Old Homestead



Black Valentine



Pencil-Pod Black Wax Beans



Fordhook Bush Lima



**BEANS**

Bohnen Fasola Fagioli

**These prices are subject to change without notice**

*Culture.*—About the first of May sow in rows 2 inches deep and 18 inches to 2 feet apart; beans 3 inches apart. Sow every two weeks for a succession until September. One quart to 100 feet of drill. One and a half bushels per acre. **We put up liberal-sized packets at 10 cts., postpaid.**

**SPECIALTY****GIANT GREEN-POD STRINGLESS VALENTINE BEAN**

An Extra-Early, Green-Podded Bush Bean of fine quality. Remarkably early; exceedingly prolific. Ready for market in 45 days

One of the best green-podded Beans in the entire list, either for the home garden or for market. It is very early, exceedingly prolific, with pods fully one-third longer than the old standard Red Valentine. The pods are round and handsome and without any string.

**SPECIALTY****BOUNTIFUL BUSH**

The first in the spring; last until fall; absolutely stringless

This is a flat-podded green Bean; enormously prolific and continuous bearer; early and late; absolutely stringless; very tender and excellent flavor.

**SPECIALTY****STRINGLESS GREEN-POD**

Absolutely stringless, of fine flavor; the earliest green-podded Bean. Without any exception it surpasses all others in crispness and tenderness. The pods are absolutely stringless and ready to market two weeks earlier than the best stock of other early Red Valentines.

**BLACK VALENTINE**

Very popular in the South for shipping to market, being a very vigorous strong grower, making a long, handsome Bean, very meaty and one of the best and most prolific market sorts. See illustration.

Price of the above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.40	.75 postpaid.	25.00

**DWARF GREEN-PODDED SNAP-SHORT BEANS**

Best of All. Round; long glossy green; fleshy pods.

**DWARF HORTICULTURAL.**—An excellent green-podded sort.

**Early China Red Eye.**—Very early; old standard sort.

**Early Mohawk.**—Very early and hardy; long, flat, straight pods.

**Large White Marrowfat.**—For winter use.

**LONGFELLOW.**—Perfectly round; early; prolific; pods solid, fleshy.

**Long Yellow Six Weeks.**—Early, with full, flat green pods.

**Low's Champion Bush.**—Exceedingly fine; prolific.

**NEW HODSON GREEN-POD.**—Long, straight, round, green pods.

**Red Kidney.**

**REFUGEE, or 1,000-to-1.**—Late; hardy; very productive.

**Refugee Extra Early.**—Very prolific; exceptionally free from strings.

**Round Yellow Six Weeks.**—Very prolific; semi-round pods.

**TENNESSEE GREEN-POD.**—Excellent shipper; medium to late; flat pods.

**White Kidney.**—Medium-sized pods; coarse; dark green; late.

**White Navy.**—Sure cropper; prolific; good quality; early.

Price of the above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.35	.65 postpaid.	22.00

**SPECIALTY****NEW ROUND-POD KIDNEY OR BRITTLE WAX BEAN**

The Meatiest, Crispest, Most Brittle and Entirely Stringless Bean Grown

Our customers have frequently asked for a round-podded Wax Bean, possessing the excellent market and shipping qualities of the popular Wardwell's Kidney Wax, and this is the first Bean we have ever discovered that will fill the bill. The plant grows tall, strong and sturdy, with long, round, handsome, stringless pods of large size, very solid and full of meat; crisp, brittle and free from rust; wonderfully early and productive. See illustration.

**SPECIALTY****SURE-CROP STRINGLESS OR BOUNTIFUL WAX**

A dwarf-growing variety; strong, vigorous vines producing early, rich yellow pods of extra size, measuring 7 to 7½ inches long, more than ½ inch wide, nearly ½ inch thick, and of excellent quality. But this is not all. It is one of the most prolific Bush Beans known to the trade, and its bountiful crop of splendid Beans sells at sight. See illustration.

Price of the above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.50	.85 postpaid.	30.00

**DWARF WAX-PODDED SNAP-SHORT**

**Golden Wax.**—The well-known old sort; popular for market.

**IMPROVED RUSTPROOF GOLDEN WAX.**—A greatly improved strain; more prolific and superior to the old Golden Wax.

**Keeney's Improved Stringless Refugee Wax.**—(New.) Decided improvement on old Refugee Wax; best for canning.

**New Prolific German, or Cylinder Wax.**—Very early and prolific; pods round, full and stringless.

**Perfection Wax.**—Large, handsome pods, very showy.

**WARDWELL'S KIDNEY WAX.**—Very robust and hardy, one of the very best, large-podded varieties.

**Saddleback Wax.**—Entirely stringless, of fine quality.

**Valentine Wax.**—A perfect Valentine Bean with a wax pod; valuable for both market gardeners and private planter.

**Davis Wax.**—Most hardy and productive wax bean in cultivation; pods long, straight and handsome.

**Pencil Pod Black Wax.**—Hardier and more prolific than the old German Wax. Pods long, pencil-like, tender and brittle.

**Currie's Rustproof Wax.**—Positively proof against rust and possesses most excellent quality.

**Hodson Wax.**—Sturdy grower; productive; a market Bean.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.50	.75 postpaid.	28.00

**POLE LIMA BEANS**

**HOLMES' GREEN PROLIFIC POLE LIMA.**—Grows green, keeps green, and the only Lima Bean that is absolutely green when dried. Equals Early Jersey for earliness and is more productive than any other Pole Lima we have ever seen. See illustration.

**CARPINTERIA LIMA.**—Beans largest size and much thicker than old type. Extra-fine quality.

**DREER'S IMPROVED LIMA.**—A thick, almost round Bean; fine quality.

**Extra-Early Jersey Lima.**—Much earlier than Large White Lima.

**King of the Garden Lima.**—Very prolific and heavy bearer.

**Large White Lima.**—The old favorite.

**Small White, or Carolina Sieva.**—A small seedling variety.

**TRUCKER'S DELIGHT EXTRA-EARLY LIMA.**—The green shelled Beans are of immense size, tender and succulent.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.35	.65 postpaid.	22.00

**WAX-PODDED POLE, or RUNNING**

*Culture.*—After settled warm weather, set 4 to 8-foot poles in rows 4 feet apart, the poles being 3 feet apart in the row. Around each hill plant five to eight Beans 2 inches deep; thin to four plants. One quart to 150 hills; 12 to 15 quarts to acre.

**EARLY GOLDEN CLUSTER WAX.**—Early; thick, flat pods; prolific.

**Golden Butter Wax.**—An excellent sort.

**KENTUCKY WONDER WAX.**—New. Fleshy and quite as stringless as snaps; golden-yellow.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.50	.85 postpaid.	30.00

**GREEN-PODDED POLE, or RUNNING**

**Golden Carmine-Podded Horticultural.**—Early; stringless.

**Horticultural, or Wren's Egg.**—Best for corn Beans.

**LAZY WIFE.**—Pods dark green; fleshy; entirely stringless; rich flavor.

**OLD HOMESTEAD (Kentucky Wonder).**—Crisp, early and prolific.

**Southern Prolific.**—Continuous bearer.

**WHITE CREASEBACK POLE.**—Earliest snap-shorts; very productive; entirely stringless.

**White Dutch Case-Knife.**—Flat pods.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.40	.75 postpaid.	22.00

**SPECIALTY****DWARF BUSH LIMA BEANS****FORDHOOK BUSH LIMA**

Fordhook Bush Lima has an ideal bush growth and bears tremendous crops. The Beans are ready for use fully three weeks earlier than any other of the Pole Lima varieties. The plump, well-filled pods are twice as large as those of the Dreer's Bush, while the Beans are also twice the size, pods measuring 4 to 5 inches, containing four to five large Beans. See illustration.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.50	.85 postpaid.	30.00

**SPECIALTY**

**BURPEE'S IMPROVED BUSH.**—Enormous pods, borne abundantly; well-filled and very early. These are the largest pods of any of the Bush Lima

Beans; vigorous bush with heavy foliage; plants uniformly upright. Pods 5 to 6 by 1½ inches.

**BURPEE'S BUSH LIMA.**—Bushes 18 to 20 inches; immense yielder.

**Dreer's Bush Lima.**—Bush form of pole sort of same name.

**Henderson's Bush Lima.**—True bush variety, 18 to 20 inches high; early.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.40	.75 postpaid.	25.00



HARRISBURG MARKET  
EXTRA EARLY  
BLOOD TURNIP BEETHOLMES'  
DEEP BLOOD BEETHOLMES'  
SURPRISE  
BEET

Copyright 1901 by H. L. HOLMES

## BEETS

Rubea Barbabietola  
Buraki

**Culture.**—The soil should be rather light and thoroughly enriched with manure. Sow in spring as soon as the ground becomes fit, in rows about 1 foot apart and 2 inches deep. For main crop sow first week in May; for winter, sow in June. Thin to 5 or 6 inches. One ounce to 50 feet of drill. Sow 5 pounds to the acre. Our selected stock of Beets is uniform and of fine quality. French-grown Beet seed is far superior to that grown in America, producing Beets uniform in every respect. Ours is French.

### NOVELTY

### HOLMES' "WHITE TOP" BLOOD TURNIP BEET A NEW BEET OF SUPERIOR MERIT A Beet That Advertises Itself

For the past seven years we have been working up the stock of this particular beet, making our selection carefully from year to year, getting it ready to put on the market as near perfection as we could possibly wish. Whoever saw an absolutely light green top beet with pure **blood-red root**? It is unique in this particular way; it is one of the most tender of beets, of delicious flavor, and is absolutely unsurpassed for quality by any beet that we know of. This grand new beet—**HOLMES' WHITE TOP BLOOD TURNIP**—is almost globe-shaped, tapering somewhat toward the root. The flesh is a handsome dark red, sweet and tender at all stages of growth, regardless of size. The hard, stringy, wooden-like fiber so common with all other varieties, is entirely absent in this new beet. It is an ideal main crop beet and outsells all others wherever it is known.

Our stock seed of this beet was produced from a single plant which was grown by Mr. W. W. Tracy, of the Department of Agriculture, Washington, D. C. In conversation with Mr. Tracy, he remarked that this was the most unique novelty of the kind that he had ever seen, and he thought it was of so much value that he produced seed that he gave to our Mr. Holmes. He also stated that it was entirely distinct from any other beet he knew of and especially from the beet that was called the Cheltenham, and furthermore said in his opinion we had a great novelty.

We would advise any of our customers who want an exceptionally fine beet to try this. The seed sells at 10 cts. per pkt., 20 cts. per oz., 75 cts. per 1/4 lb., \$2.50 per lb., 5 lbs. and over \$2.25 per lb.

## THE FOUR BEST BEETS FOR MARKET-GARDENERS

### SPECIALTY

### HOLMES' EARLY SURPRISE BEET For early or late planting

Since its introduction by us several years ago, this extra-early Blood Turnip Beet has become wonderfully popular with both market gardeners and private planters. It is a rich, blood-red Beet, with fine grain and delicious flavor. Equally as good as the famous Harrisburg Market Beet, although a little different in shape. Especially valuable for market on account of extreme earliness and size. See illustration.

### SPECIALTY

### HARRISBURG MARKET BLOOD TURNIP BEET

The earliest and decidedly the handsomest distinct new Beet in Cultivation

The Harrisburg Market Beet is well represented in the illustration given. It is of true, turnip shape, has a single tap root, a smooth skin, a rich, tender quality and is free from the woodiness so often found in early varieties. It is ready to use in 45 days from time of planting and does not become coarse or stringy with large size like other varieties.

### SPECIALTY

### HOLMES' DEEP BLOOD TURNIP BEET A Valuable Market-Garden Variety

For several years we have been trying, at the instigation of many of our market-gardening customers, to secure a Beet which comes early, is of deep blood color, and has small tops. We have succeeded in securing a variety that, while not as early as the Harrisburg Market, has the color and texture desired. From trials made at our trial grounds it proves to be the best deep blood Beet for both market and home gardeners.

### SPECIALTY

### HOLMES' BEET

Exceedingly Tender, Magnificent Form and Blood-Red Flesh

Extremely early, of perfect globe shape and of the finest quality. This Beet we sent out several years ago as No. 27, and the many excellent reports we received convinced us that it was a Beet worthy of introduction. Our trials also convinced us that it was a Beet far superior to anything we had yet introduced.

**Bastian's Blood Turnip.**—A fine second early, following Egyptian and Eclipse.

**Crimson Globe.**—The finest table Beet grown. Early, of medium size, uniformly round; color, deep crimson throughout; exceedingly tender and sweet and a good keeper.

**CROSBY'S EGYPTIAN.**—Very early and of excellent quality; small tops.

Price of above.....	1/4 Oz.	Oz.	1/4 lb.	Lb.
	.05	.15	.50	1.50

**DETROIT DARK RED.**—A fine strain of turnip-shaped Beet. Valuable for its remarkable uniformity and smoothness; size medium; flesh fine grained, tender and remaining so for a long time; admirable for either early or late.

**Dewey's Improved Blood Turnip.**—Handsome, smooth and round, tapering at the base; flesh strongly zoned, of fine quality.

**Dark Stinson.**—Roots good size; tops small; flesh fine grained, free from any woodiness.

**Early Blood Turnip.**—A standard variety, following Eclipse in earliness; quality excellent; color, deep blood-red; the tops make excellent "greens."

**Eclipse.**—Extremely early; of uniform globular form; glossy red, flesh fine grained and unusually tender and sweet.

**EDMAND'S.**—A handsome, uniform, round, turnip-shaped Beet, very smooth and good size; tops small; flesh red and fine quality; fine for late.

**Egyptian.**—A standard extra early sort, being 10 to 12 days earlier than the old Blood Turnip. The roots are round and flattened, of good size and deep crimson in color; tops unusually small.

**HOLMES' PERFECTED HALF LONG.**—A Blood Beet of superior quality, tender, sweet and free from woody fibre; for slicing it is unequalled; flesh of vivid rich red color. The bulbs, about 3 inches in diameter, are pear-shaped, with slender tap root.

**Lentz.**—Leaves and roots are pale in color, but of delicious quality.

**Long, Smooth Blood Red.**—An excellent late variety, being a great improvement on the common Long Blood and of intense dark red color.

**Swiss Chard.**—Delicious for Spinach.

Price of above.....	1/4 Oz.	Oz.	1/4 lb.	Lb.
	.05	.10	.40	1.50

## MANGEL-WURZELS AND SUGAR BEETS Futter Ruben

**Culture.**—Sow in rows 2 feet apart, 2 inches between seeds, thinning later to 12 to 15 inches. For stock feeding. Long varieties do best in deep soil; round sorts in sandy soil. Five or six pounds will sow an acre.

**Golden Giant Intermediate.**—Keeps well; grows over half above ground.

**Golden Tankard.**—Distinct; highly prized by dairymen.

**Lane's Imperial Sugar Beet.**—American sort; productive.

**Mammoth Prize Long Red.**—Enormously productive.

**Vilmorin Improved Sugar.**—Not so large as others, but has as much sugar.

Price of above.....	Oz.	1/4 lb.	Lb.
	.10	.25	.90



**CELERIAC**

Knoll-Sellerie

Sedano-rapa

TURNIP-ROOTED  
CELERY

Brukwiana

Large, turnip-like roots which keep well for winter use. Fine cooked, for flavoring soup or sliced and used as a salad.

**Large Smooth Prague.**—Almost round, uniform, smooth-skinned; free from side roots.

Price of the above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.30	1.00	by mail, postpaid

**CHICORY**Cichorienwurzel  
Cicoria selvatica Cukorya

**Large-Rooted or Coffee.**—Largely used as an adulterant or substitute for coffee.

Price of the above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.35	1.00 by mail, postpaid

**COLLARDS**

**Georgia.**—A substitute for cabbage, grown in the South. Leaves, when cooked, are tender and delicate.

Price of the above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.35	1.00 by mail, postpaid

**CORN SALAD**Feldsalat  
Valeriana

**Large-Leaved Feticus, or Lamb Lettuce.**—For late fall, winter and spring. Used as a substitute for lettuce.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.10	.25	.75 by mail, postpaid

**CRESS**Gartenkresse  
Rzerzucha Agretto

**Fine Curled (Pepper Grass).**—Quick-growing, crisp, pungent, refreshing.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.10	.20	.50 by mail, postpaid

**Water Cress.**—Seed may be started in pans or boxes of very moist earth, and the young plants transplanted to shallow water along banks of ponds or running streams.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.40	1.25	3.50 by mail, postpaid



Holmes' Dry Weather

**CARROTS**Mohren  
Marchew Caroto

One ounce will sow 100 feet of drills; three pounds an acre

**Culture.**—A good, light, well-enriched sandy loam is the best for this crop. Market gardeners sow in drills about 18 inches apart, and cultivate by hand. For field culture, sow in drills from 3 to 5 feet apart, so as to cultivate by horse. For early crops, over ½ inch deep, thin to 6 inches apart. For late, cover ¾ of an inch.

Please remember to deduct 10 cents per pound from these prices if ordered by express or freight at purchaser's expense

**PRICES, DELIVERED FREE IN THE UNITED STATES, UNLESS OTHERWISE NOTED**

**Early Half-Long Scarlet.**—A distinct, slender, cylindrical variety, with few and small leaves; skin glossy and smooth; flesh red and without core; extra fine. Fine for forcing and frame.

**CHANTENAY HALF-LONG SCARLET.**—A stump-rooted variety of handsome shape, medium early, very productive and of fine quality.

**DANVERS HALF-LONG.**—A handsome, smooth, cylindrical stump-rooted variety of rich, dark orange color; flesh of close texture, good quality, with but little core.

**Early French Forcing.**—The earliest, and largely grown for forcing. Small, almost globular; roots orange-red in color.

**Early Scarlet Horn.**—A popular early variety, 3 to 4 inches long and blunt-rooted; it is a favorite for bunching for market and is sometimes forced. A fine table Carrot, and when pulled young is excellent for soup.

**Long Red Altringham.**—A shapely stump-rooted variety of medium size and the best for private gardens, for summer use; medium early.

**Long Orange Improved.**—An improved strain of this popular variety for either garden or field culture, roots averaging 12 inches in length and 3 inches in diameter at the top; an enormous yielder and a good keeper.

**OXHEART, OR GUERANDE.**—Very distinct and desirable Carrot. Smooth, handsome, very thick and blunt-rooted; about 6 inches long, rapid grower and of fine quality; color orange-red; good all-season Carrot.

**White and Yellow Belgian.**—Used principally for stock.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.50	1.50



Holmes' Improved Early Snowball Cauliflower

**CAULIFLOWER**Blumenkohl Cavolfiore  
Kalafiori

**Culture.**—For spring and early summer crop sow in March or early in April in hotbed; transplant to coldframe when sufficiently large, and to open ground as soon as danger of frost is over. For late crop sow at the same time as for late cabbage. One ounce of seed will produce 1,000 plants.

**HOLMES' DRY WEATHER CAULIFLOWER.**—Reaches Perfection when Ordinary Sorts fail. This new strain originated in Denmark, but has been fully tested in America with the most happy results. We offered it in 1907 for the first time and are well satisfied with its behavior. It produces a large, solid, pure white head, maturing a little later than Snowball. It is in all respects a first-class Cauliflower, but is especially and peculiarly adapted to dry situations and to resisting the effects of droughts. It will not thrive in poor soil or under bad treatment, as, like all other Cauliflowers, it requires manure and culture, but it will succeed with less rainfall than any other variety within our knowledge. It will also do well in moist or wet seasons, making heads equal to the best; but it is in dry seasons that its merits appear to best advantage, and we are confident that it will extend the culture of this delicious vegetable into locations in which it is practically unknown. See illustration.

Price of above....	Pkt.	¼ Oz.	Oz.	¼ Lb.	Lb.
	.20	.85	3.00	8.00	30.00

**Extra-Early Dwarf Erfurt.**—Good-sized heads; fine for open ground fall crop.

Price of above.....	Pkt.	Oz.	¼ Lb.
	.15	2.50	7.00

**HOLMES' IMPROVED EARLY SNOWBALL.**—A grand Cauliflower. For forcing, coldframe or open ground. See illustration.

Price of above.....	Pkt.	Oz.	¼ Lb.
	.15	2.50	7.00

**Veitch's Autumn Giant.**—A large-growing, late variety, splendid white heads.

Price of above.....	Pkt.	Oz.	¼ Lb.
	.05	.60	2.00



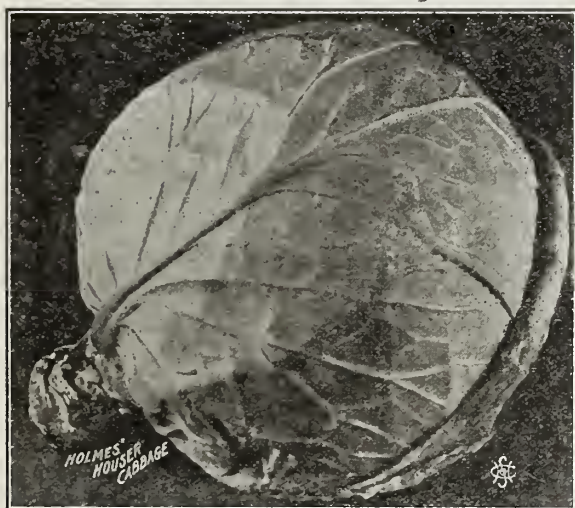
SPECIALTY



Holmes' Early



Copenhagen Market Cabbage. The Best Early Cabbage from Denmark



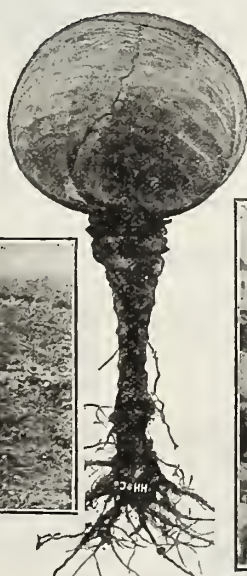
Holmes-Houser Cabbage. Very Late



Holmes' Perfected Late Flat Dutch



Danish Ballhead being set out for Seed



Danish Roundhead



Showing how we bury Danish Ballhead for Seed



# CABBAGE

PURE AMERICAN-GROWN  
TESTED SEED

Kopfkohl

Cavolo cappuccio

Kopusta

For years we have given the selection of Cabbage seed particular attention. We have selected only such varieties as are certain to be of great value to all growers. Our seed is from stocks carefully selected and tested on Long Island.

**Culture.**—Sow in hotbeds in February, or still better, from September 10 to 20 and winter the plants over in a coldframe. Transplant March 15 to April 15 about 20 inches apart, in rows 2 feet apart. For second-early crop, sow seeds of early kinds early in April and plant out in May. For a late crop, sow early in May and plant out in July; the plants 2 feet apart in rows 3 feet apart. One ounce will produce 1,500 to 2,000 plants.

## SPECIALTY

**HOLMES' EARLY.**—The Largest Early Round-Headed Cabbage. Five years ago, as "No. 138," we sent out samples of this new Cabbage. Before

listing it, we desired to get the sentiment of practical growers, and test it out in every particular as to solidity, season, growth, ability to withstand dry weather and hot sun, to do well in all soils in all parts of the country. It has been all we hoped it would be; in fact, from our own tests, and from reports received, it has far exceeded expectations. This new Cabbage combines two good qualities—large size and very early season. The heads are large, globe-shaped, solid, finely ribbed. Resists blight and drought.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.30	1.00	3.50

**DANISH BALLHEAD, or HOLLANDER.**—This Cabbage has few equals for winter use. It is highly prized in Denmark, and is grown there almost exclusively for winter Cabbage. The heads are round, 8 to 10 inches in diameter, and very solid, with few outer leaves. The quality is second to none.

**DANISH ROUNDHEAD.**—An earlier, shorter stemmed type of the Danish Ballhead. Danish Roundhead, with less outer foliage, is better able to resist blight, being, in most sections, as vigorous in growth as the best American types. The heads average larger and mature nearly two weeks earlier. The heads are unusually solid, and beautifully white when trimmed. They are splendid keepers.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.25	.85	3.00

**DANISH RED STONEHEAD.**—Vigorous, hardy, sure-heading, large and heavy, and, as it has a neat habit, requires small space and can be planted close together. The heads are solid, well shaped, and of a dark red clear through.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.35	1.00	3.50

## SPECIALTY

### THE HOLMES-HOUSER, or "H-H" CABBAGE

Noted for its Fine Grain, Smallness of Heart and Keeping Qualities

#### MARKET GARDENERS' IDEAL. A CABBAGE WHICH HAS WEIGHT AND SIZE

Introduced by Holmes Seed Co. thirteen years ago and has grown into popular favor. No other late variety can approach it in quality, size, productiveness, smallness of heart and good keeping qualities. Our original stock produced heads exactly like the illustration, and it is remarkable what enormous crops are produced from this variety. To keep the seed pure and selection perfect, we entered into a contract several years ago with Mr. Houser to supply us with one pound of seed of his own selection at a cost of \$50. This seed is then sent to Long Island to one of the best cabbage growers, where it undergoes a second selection. Our agreement with the grower is that we take the entire crop, and not a single ounce of this seed is to go to any other seedsman. Consequently, the pure and genuine stock can only be had direct from us, or from some of our regular wholesale dealers to whom we sell the seed.

To protect the public this year from unscrupulous dealers who claim to have the originator's stock, we will sell this seed only in **sealed packages**. Look for the seal on every package, and make your dealer show you our seal with our name on it.

**A WARNING.**—It is absolutely necessary to plant out the **Holmes-Houser** Cabbage two weeks earlier than any other late sort, as it requires this much longer to mature than the flat Dutch types or any other late variety.

**NOTE.**—The crop of Cabbage this year was very short, owing to the climatic conditions. We would warn you against seed offered as Holmes-Houser by many unscrupulous dealers.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.50	1.50	5.00

## SPECIALTY

### COPENHAGEN MARKET

Offered for the First Time in 1911. It Proved to be the Best Early Cabbage from Denmark. Remember, as Early as the Charleston Wakefield

A valuable new, early Cabbage, producing round, hard heads very early in the season. As early as the Charleston Wakefield. It is the most popular early Cabbage in the markets of Copenhagen. Market gardeners here who tried it for the first time last season are simply crazy about it on account of its extreme earliness and solid, 10-pound heads, with a small core and always of excellent quality. The plants are short-stemmed, producing heads almost on the ground. The light green leaves are medium

in size, saucer shaped, and are always tightly folded; the plants may therefore be set closer than most other early varieties. It is a vigorous grower and yielder, as are all Cabbages from Denmark, and an excellent keeper. Our stock of Copenhagen Market comes to us direct from the originator. By mail postpaid.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.40	1.25	4.50

## EXTRA-EARLY VARIETIES

**EARLY JERSEY WAKEFIELD.**—This famous Cabbage still retains its lead. The heads of pyramidal shape, with blunt peaks, and are remarkably solid. The outside leaves are small, though of great substance, enabling the plants to stand severe weather. Our seed is from highly bred, selected stock and is unequaled.

**EARLY CHARLESTON WAKEFIELD.**—This is the largest Early Cabbage, which we bred from the Early "Jersey" Wakefield, to meet a demand for a larger heading sort. It possesses all the valuable characteristics of the parent, with the advantage of the heads being 50 percent larger, though a few days later. Our strain of seed is very superior.

Prices of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.30	.90	3.25

**Extra Early Express.**—Earliest of French Cabbage; small, pointed head.

**Early York.**—Very early, producing small, oval-shaped heads.

**Early Winingstadt.**—An old, popular, medium early variety, with large, pyramidal heads of excellent quality; good to succeed the extra earlies.

**ALLHEAD EARLY.**—A flat head, coming in with Early Summer; much larger.

**Early Flat Dutch.**—We offer a remarkably fine strain; a sure header, the head weighing from ten to twelve pounds; most valuable for forcing or for general crop.

Prices of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.25	.75	2.75

## SECOND-EARLY, or SUMMER VARIETIES

**Early Summer.**—This peerless variety; it makes a large, solid, round flat head, coming about ten days later than Wakefield.

**Succession, Henderson's.** Universally conceded to be the grandest Cabbage in existence for either summer or winter use; heads hard and uniform, ten to twelve pounds in weight; quality extra fine and a good keeper.

**ALL SEASONS (VANDERGAW).**—One of the finest; growing to a large size quickly. Will stand hot sun and dry weather.

**Fottler's Improved Flat Brunswick.**—Large, solid heads; fine for early or late. Considered by many gardeners as second to none of the second-early varieties.

**LIMITED MAIL.**—A superb second early variety. Produces hard, pointed heads of good size. Often sold as Lightning, Express and several other fancy names.

**Stein Early Flat Dutch.**—An excellent variety for winter use and valuable for market-gardening.

Prices of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.30	.90	3.00

## LATE, or WINTER VARIETIES

**Autumn King, Henderson's.**—The acknowledged "King" of all Winter Cabbages, excepting only **Holmes-Houser**, producing enormous solid heads, weighing 25 to 30 pounds; interior crisp, fine-grained, white; splendid keeper.

**HOLMES' PERFECTION LATE FLAT DUTCH.**—Our improved highly bred strain of this old favorite Winter Cabbage will be found very superior.

**Short-Stem Drumhead.**—Selected strain; ripens early.

**Red Dutch.**—For pickling.

**Surehead.**—Fine large solid heads, with few outside leaves.

**SAFE CROP.**—(Same as Houseman's Late Flat Dutch.) A good strain.

**Perfection Drumhead Savoy.**—The largest heading Savoy; a general favorite for both home use and marketing.

Prices of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.25	.75	2.75



# CELERY

Sellerie Sedano  
Selery

**Culture.**—Sow in a finely prepared seed-bed, and keep the bed moist. In setting, prepare shallow trenches, 6 inches deep and 4 to 6 feet apart, the plants 6 inches apart, cutting off the outer leaves and pressing the soil firmly about the roots. Good plants may be set out as late as the middle of August. One ounce of seed will produce 4,000 plants; one pound will produce sufficient plants for an acre.

These grow quickly, blanch easily and are especially adapted for fall and early winter use.



Early Varieties

## HOLMES' IMPROVED GOLDEN SELF-BLANCHING CELERY (FRENCH GROWTH) THE BEST EARLY CELERY

Critical Market Gardeners Say Ours is the Finest They Ever Had

For some time past we have been carefully selecting the stock of this well-known Celery from the original strain. We believe now we have so far perfected it that when once grown you will have no other. The stalks are much broader than the White Plume and greatly superior in quality, and is ready for market almost as soon, producing dwarter and much larger bunches of fine, heavy stalks, which are crisp, tender and of nut-like flavor. We can recommend this particular strain to our customers. Price of above, **French Grown Seed.** Pkt. ½ Oz. Oz. ¼ Lb. Lb.  
.15 1.00 1.50 5.50 18.00

## IMPROVED SNOWWHITE CELERY

The new Snowwhite is a pure white, self-blanching Celery, introduced in 1902, after five years of careful selection and improvement. It is without a rival in purity of color.

**Holmes' Scarlet Plume.**—Practically identical with White Plume; solid, stringless, flavor delicious, crisp and nutty.

Price of above..... Pkt. Oz. ¼ Lb. Lb.  
By mail, postpaid .05 .20 .50 1.75

**HOLMES' SELECTED WHITE PLUME.**—Earliest variety grown; can be blanched for the table in September.

Price of above..... Pkt. Oz. ¼ Lb. Lb.  
.05 .35 1.00 3.50



NOVELTY

## NEW HAMPSHIRE COLLEGE

Durham, N. H.

December 28, 1916.

Gentlemen: The Department has delayed reporting on the Holmes Emperor, as the last of it has just been taken out of storage.

I am pleased to say, judging by one year's trial, that it is at least all you recommend it. For late fall and early winter it is the best celery I have handled. While it is not extremely large, nor as uniform or well appearing as some of the varieties, it blanches quickly and evenly, the stems and hearts are full and heavy and is the finest flavored celery I ever tasted. So gratified I am with results that I would like to carry the test over another season. You might send me another supply of seeds this year. I regret that you can not send the Laxtonian peas. I intended testing it out along side of similar varieties this year. I would appreciate a small quantity of it, if it can be spared.

Very truly yours,  
J. B. SCHERRER,  
Asst. Professor of Horticulture.

Holmes' Emperor Celery

## Second-Early, Long-Keeping and Winter Varieties

### HOLMES' NEW GREEN CELERY, EMPEROR INTRODUCED BY US IN 1912

The finest-flavored, most brittle Celery ever grown

One of the largest seedsmen of the country said: "It is the greatest novelty that has been introduced since the introduction of the Burpee's Bush Lima Beans."

For seven years we have been selecting this seed, and growing from individual specimens to firmly establish the good qualities as given below:

**First:** To retain the flavor, which, in the green state, is as fine as when bleached.

**Second:** Solidity, free from the hollowness so often found in many Celeries.

**Third:** The stems, instead of being moon-shaped, we have been breeding to as near round as is possible, and are found only in "Holmes' Emperor," a distinguishing characteristic not found in other sorts, and is fully established. When we say it **surpasses every Celery known, you can rest assured we know.** The market-gardener who grows Holmes' Emperor will find a ready sale for it.

Price of seed, originator's own stock, sealed..... Pkt. 2 Pkts. ½ Oz. Oz. ¼ Lb. Lb.  
.15 .25 1.25 2.25 7.00 25.00  
Seed as sold by other dealers .10 .15 .35 .60 2.00 6.00

## NEW COLUMBIA CELERY

A very early-maturing sort, unsurpassed in shape and quality, very stocky and heavy. The stalks are thick, almost round, resembling those of the Giant Pascal. The color has more of the rich yellow tint of the Golden Yellow Self-Blanching, which it resembles when trimmed and bunched for the market. Its quality is certainly fine, some connoisseurs considering it superior to any other variety.

Price of above..... Pkt. Oz. ¼ Lb. Lb.  
.05 .50 1.50 5.00

**Dwarf Golden Heart.**—Large heart; solid stalks, blanching golden yellow.

**GIANT PASCAL.**—Desirable green winter Celery. Long-keeping; robust, healthy, stocky, 2 feet high.

**Giant White Solid.**—Sold as large-ribbed Kalamazoo. Compact-growing variety.

**Perfection Heartwell.**—Splendid for late use; excellent keeper; fine flavor.

**WINTER QUEEN.**—Best late or winter keeper; ribs thick; very solid.

Price of above..... Pkt. Oz. ¼ Lb. Lb.  
.05 .25 .75 2.50  
Giant Pascal, our own growing .05 .30 .90 3.00

**Soup Celery.** (Old seed.) Excellent for flavoring. Lb. 50 cents.



# SWEET, or SUGAR CORN <sup>Mais Kukurudza</sup> <sup>These prices are subject to change without notice</sup>

*Culture.*—Sugar Corn requires a good soil and a warm situation. Begin for first early by planting the early varieties about May 1, and, for a continuous supply all summer, make plantings about two weeks apart, from May 1 until late July, first planting early varieties, then later ones. Plant in rows 3 feet apart each way. One quart for 200 hills, 8 to 10 quarts in hills for an acre.

## SPECIALTY

### HOLMES' PREMO

Ready for the Table 60 days after Planting. We originated and introduced this variety in 1900

One of the earliest and best Sweet Corns in existence. The best seed can be had only from the introducers. Market gardeners will make no mistake in planting this Corn for a money crop. It is a success, not an experiment.

**Holmes' Premo** is of the best quality. It is tender, sweet, deliciously flavored, and the ears are well filled to the very tip. It is so early that there is a full crop at the time of the very highest price. The stalks, which grow very strong and stiff, about 5 feet high, are free from smut and will grow in any soil, as well as resist drought and bad seasons generally to a very marked extent. See illustration.

## NOVELTY

### HOLMES' SWEETHEART

Delicious Flavor; Ears 8 to 10 inches; Twelve Rows

This new sweet corn, now for the first time introduced by us, is one of the most valuable sweet corns offered in many years. The ears measure 8 to 10 inches in length, symmetrical shape with twelve even rows of broad and very deep grains covering the small white cob from heel to tip. The cobs range in diameter from three-fourths to one inch. The grains do not shrink so much when rightly cured and dried as some of the other types, such as Country Gentleman and Evergreen. "Holmes' Sweetheart" is the outcome of a selection from both the Evergreen and Country Gentleman, and then crossed again with a variety which was obtained from a garden specialist, which he named "French Honey," retaining the sweetness of the latter and the depth and breadth of the grain from the former varieties. It is a main crop, coming in two weeks earlier than the Evergreen. The grains are a silvery gray, semi-transparent. The stalks average in size from 7 to 9 feet. This depends greatly on the soil where planted. It is a full cropper, thrifty, hardy and prolific. Frequently, there has been as many as four well formed ears on one stalk, two on each side. It can be planted in this locality about May 1 to 10, afterwards in regular succession of ten days. See illustration, back cover.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.35	.60 postpaid.	25.00

## SPECIALTY

### HOLMES' TOP-NOTCH

Delicious Flavor. Ears from 10 to 12 inches Long

For several years we have been growing this variety. The **Top-Notch** strongly favors the Early Mammoth, but is much longer in the ears, measuring 11 inches. The grains are rather deep, and, as one gardener pronounces it, "the most delicious Corn for a late variety I ever used." It comes in about the same season as early Evergreen and is the largest and best Sweet Corn grown. Anyone desiring Sugar Corn producing ears of immense size, delicious flavor and earlier than the Evergreen, will do well to give the **Top-Notch** a trial. It comes in at the time when Sweet Corn brings its best price. See illustration on cover.

Prices of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.35	.60 postpaid.	25.00

## SPECIALTY

### HOLMES' GOLD COIN EVERGREEN

Every gardener in the world knows the Evergreen Corn. Our **Gold Coin** is a selected strain of the old Stowell's Evergreen, being more even and coming in even throughout the crop. We can recommend it as being far superior to the old strain and will test 90 percent of vitality. See illustration.

Prices of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.30	.60 postpaid.	20.00

## SPECIALTY

### MORSE'S GOLDEN CREAM SWEET CORN

**GOLDEN YELLOW COUNTRY GENTLEMAN**  
FLAVOR DELICIOUS

The verdict has been unanimous in its praise. Everywhere it has proved a much better Sweet Corn than we ourselves had anticipated, and we feel that it is worthy of first place among vegetable attractions this season. The kernels are long and pointed and are borne on a very slender cob in irregular rows. In its green state the kernels are light yellow, but they cook to a bright golden yellow. The stalks grow about 4 to 5 feet high and bear from two to four ears. The shucks are tinged with brown and the tip of the silk is also slightly brown. The ears vary in size, but average about 5 inches in length—rather smaller than the old-fashioned Sweet Corn, but easily handled in eating. The flavor is delicious and in sweetness and tenderness resembles both parents, **Golden Bantam** and **Country**

**Gentleman.** It is as early as the former, being one of the first of the main-crop varieties. We hope every one of our customers who has a spot in his garden will try it.

## SPECIALTY

### GOLDEN BANTAM SWEET CORN

This corn is extra early, very sweet and of a delicious flavor. As indicated in its name, the grain, when ready for use, is a rich, creamy yellow, deepening to an orange-yellow as it ripens. We do not recommend it as a market sort, as its color gives it the appearance of being old; but when once used it will be popular on account of its rich flavor.

Prices of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.40	.75 postpaid.	30.00

## SPECIALTY

### HOWLING MOB, NEW

The finest large-eared second-early Corn, of delicious flavor. In the vicinity of Pittsburgh the gardeners plant this extensively, as they claim it is far ahead of any other second-early Corn and sells on sight.

## FIRST-EARLY VARIETIES

**Early Adams, or Burlington.**—Robust; early; productive; handsome ears for marketing, but of inferior quality.

**Early Metropolitan.**—Ears 9 inches long; 10 to 12-rowed, filled with luscious white milky kernels.

**EARLY MINNESOTA.**—Standard early of dwarf growth, coming in between Cory and Crosby's; ears fair size, good quality.

**Extra-Early Dwarf Adams.**—Not Sugar Corn, but sweet and tender. Small ears.

**KENDEL'S EARLY GIANT.**—Large handsome ears; ready in 70 days.

**PEEP O'DAY.** New. Good early variety.

**White Cob Cory.**—Extremely early, usually fit to use in from 50 to 60 days; ears 6 to 7 inches; milky white kernels; sweet, tender. Plants dwarf.

Prices of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.25	.45 postpaid.	18.00

## MEDIUM-EARLY VARIETIES

**Black Mexican.**—Medium early, 8-inch ears, well filled with large kernels which, though black when ripe, are white when green and then exceptionally sweet.

**CLARK'S NONESUCH.**—Best large-eared, second-early Sweet Corn.

**Crosby's Early.** Second early, of fine quality.

**Early Mammoth, or Asylum.**—Much earlier than Late Mammoth.

**NEW EARLY EVERGREEN.**—Ears as large as Stowell's; 10 days earlier.

**Perry's Hybrid.**—Second early; large, white kernels; sweet; tender.

**Shaker's Early.**—Very large, white grain; early; productive.

**Stabler's Early.**—Large eared; second early; sweet.

**Holmes' Delicious.**—Very sweet, large and tender.

Prices of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.25	.45 postpaid.	18.00

## LATE, or MAIN-CROP SWEET CORN

**COUNTRY GENTLEMAN (Shoe-Peg, or Ne Plus Ultra).**—Ears 8 to 9 inches long; cob small and irregularly crowded with pearly white kernels of great depth; surpassingly sweet and tender.

**Egyptian, or Washington Market.**—Fine for market; ears large.

**HENDERSON SUGAR.**—An ideal midseason Sweet Corn.

**Hickox.**—Earlier than Stowell's Evergreen; good for drying.

**Mammoth.**—Very late; ears 14 inches; broad, white kernels; superb quality.

**Moore's Concord.**

**STOWELL'S EVERGREEN.**—The standard late, for home, market and canning; kernels long, tender and sugary.

**WHITE EVERGREEN.**—A high bred, ideal type of Stowell's Evergreen, with all its points of merit.

**Zig-Zag Evergreen.**—Good-sized ear; deliciously sweet.

**Pop Corn: Golden Queen and Silver Lace.**

Prices of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.25	.45 postpaid.	18.00

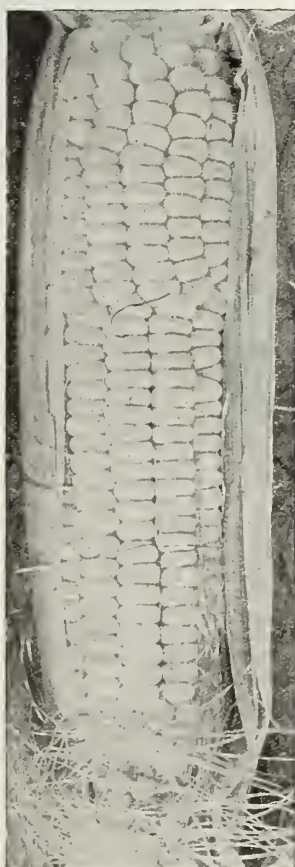




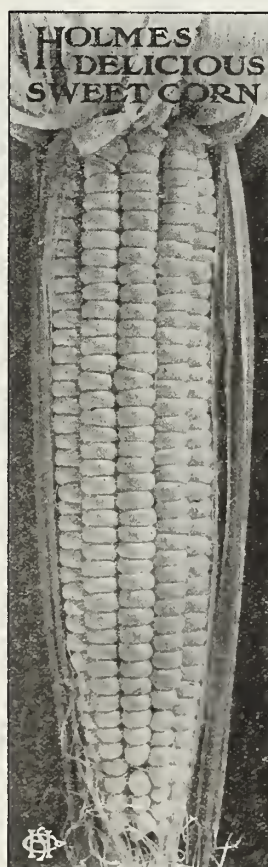
Kendall's Giant



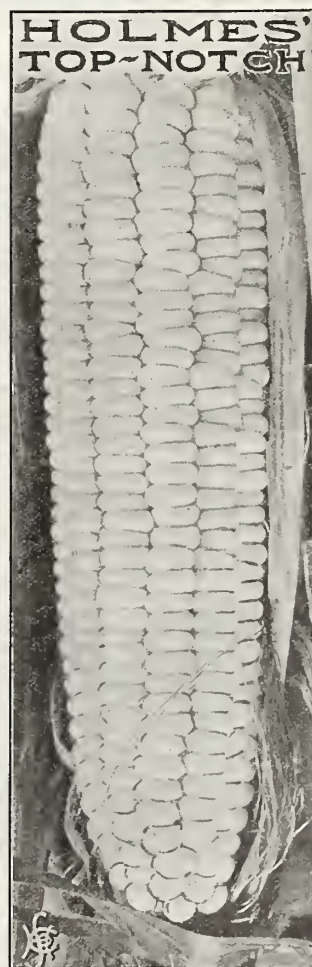
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H. L. Holmes  
Holmes' Gold Coin  
Evergreen



Howling Mob



HOLMES'  
DELICIOUS  
SWEET CORN

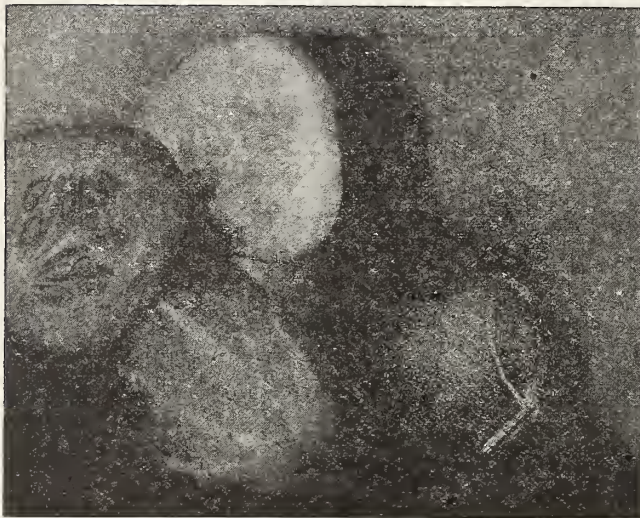


HOLMES'  
TOP-NOTCH



Golden Bantam

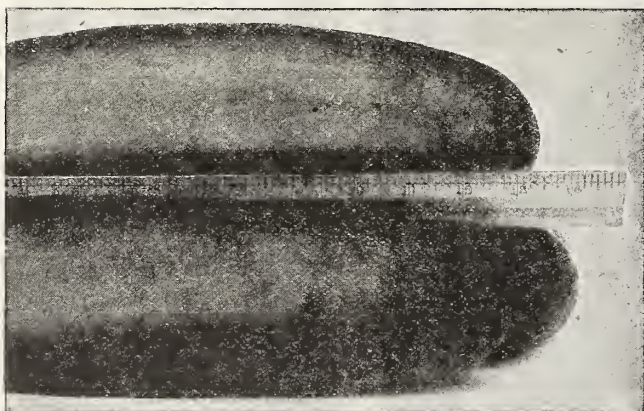




Improved White Spine Cucumber



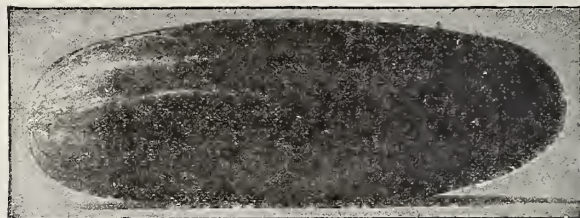
Holmes' Special White Spine Cucumber



Holmes' Improved Long Green Cucumber



Davis Perfect Cucumber



Holmes' Perfect



The Davis Perfect Cucumber

## CUCUMBERS

Gurken Cetriolo  
Ogorek

One ounce will plant about 50 hills; one to two pounds to the acre

**Culture.**—An ounce will plant about 50 hills. Sow about first of May in turned-over sods or small pots, which can be bedded in the soil in the frames, and use little bottom heat. Transplant to open ground in three or four weeks; plants 3 or 4 feet apart each way, four strong plants to each hill. Two to three pounds per acre.

### SPECIALTY

### HOLMES' SPECIAL WHITE SPINE

This Cucumber can not be praised too highly. It is nothing more or less than an extra-fine type of what is unquestionably the best and most widely grown Cucumber in America. It is unsurpassed as a table and market sort, and is also used for pickling. No other kind exceeds it in productiveness, and it is equally good for forcing under glass or growth in the open air. We have a record of where a single hill of three vines produced over 500 Cucumbers during the season. The fruit is from 5 to 7 inches long and 2 to 3 inches in diameter. Color, a beautiful dark green; straight, and does not turn yellow. The illustration shows most accurately the fine shape this Cucumber attains.

**Cool and Crisp.**—Extra early, tender and crisp, and a grand pickler.

**DAVIS PERFECT.**—A forcing variety of excellent quality, shape and productiveness. See illustration.

**Early Cluster.**—An early, prolific, prickly, short green Cucumber.

**Early Frame, or Short Green.**—For slicing or pickling; productive; early.

**Everbearing.**—Form perfect; rich, deep green; desirable for pickling.

**Extra-Early Green Prolific.**—Ideal for pickling.

**Extra-Early Long Green.**—Very early and prolific.

**Fordhook Famous.**—Smooth, dark green fruits measuring 12 to 18 inches.

**HOLMES' IMPROVED ARLINGTON WHITE SPINE.**—Early; very productive; fruit good size, straight and well formed.

**HOLMES' JERSEY PICKLE.**—Produces more dark green pickles than any other variety we ever tested.

**HOLMES' IMPROVED LONG GREEN.**—Fruits 12 to 14 inches long; firm; crisp; excellent.

**Klondyke.**—An exceedingly productive variety; dark green in color.

**Livingston's Emerald.**—Large, smooth; deep green.

**Cumberland.**—Very prolific; fine for pickling or slicing.

**Nichol's Medium Green.**—Very productive; unsurpassed for pickling.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.40	1.25

### NOVELTY

### HOLMES' PERFECT

Its good qualities are its extreme earliness and prolificness. Very hardy, resisting unfavorable weather conditions; very dark green; attractive shape, and is a good size for slicing. A most profitable sort for shipping to distant markets.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.20	.75	2.75

**West India Gherkin, or Burr.**—Small, prickly fruits; best for pickles.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.25	.60	2.00



## DANDELION

Loewenzahn Dente di leone  
Papawa

A useful salad plant, especially when Endive and Lettuce are scarce in winter. The roots are grown in a similar manner to Chicory, and large quantities of the blanched leaves are sold in the market for this esculent.

**Improved Large.**—Leaves broad and fleshy; very tender.

Price of above.....	Pkt.	Oz.	¼ Lb.
	.10	.20	.60

**French.**—Leaves finely cut; mild and tender.

Price of the above.....	Pkt.	¼ Oz.	Oz.	¼ Lb.
	.10	.15	.35	1.00

## ENDIVE

Endivien Indivia  
Endiven

*The Cultivation of Endive.*—Sow for early crops in middle of April, and for succession to beginning of August; thin out to about 10 in. apart. A simple method of blanching is to put an inverted pot over each plant and cover it with leaves or straw. 1 oz. of seed will sow 150 ft. of drill.

**Holmes' Winter Golden Heart.**—The most beautiful and perfect form of Curled Endive yet introduced. It is exceedingly ornamental, of a distinct color, and bleaches admirably. Holmes' Winter Golden Heart Endive is greatly admired by all who grow it.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.20	.60	2.00

**Holmes' Green Curled.**—Dwarf, and beautifully curled.

**Holmes' White Endive.**—Superbly curled and lacinated; easily blanched, very tender.

### HOLMES' OVAL, or PLAIN-LEAVED ENDIVE

**Round-Leaved Batavian.**—Very compact and hardy; forms good heart.

**Green Batavian or Escarolle.**—Tender broad leaves, crisp; good flavor.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.45	1.50

## EGG PLANT

Eirpflanze Petronciano  
Jajokowa

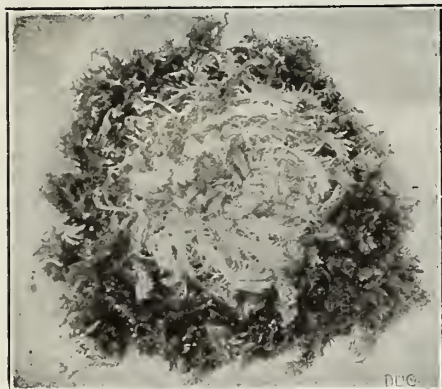
*The Cultivation of Egg Plant.*—Sow in gentle heat early in April, transplant towards the middle of June, setting the plants 3 feet apart each way. 1 oz. of seed produces about 1,500 plants.

**Black Beauty.**—Fruit jet black; good form and solid.

Price of above.....	Pkt.	Oz.	¼ Lb.
	.10	.40	1.25

**N. Y. Improved.**—A splendid market variety; fruit large.

Pkt.	Oz.	¼ Lb.
.10	.40	1.25



Holmes' Winter Golden Heart Endive



Monstrous Carentan Leek



Black Beauty Eggplant

## KALE, or BORECOLE

Blaetterkohl  
Cavolo verde

Kale is more hardy than cabbage, and will endure considerable frost without injury. Cultivate like cabbage. One ounce will sow a drill about 200 feet. Three pounds will sow an acre.

**Dwarf Green-Curled Scotch.**—Beautifully curled; bright green; very hardy.

**HOLMES' IMPROVED DWARF GERMAN.**—(American-grown). Like the above except in color. This has a bluish tinge.

**Siberian.**—Grows vigorously; green foliage with bluish tinge or bloom.

**Tall Scotch.**—Same as the dwarf green, except that it grows taller.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.10	.30	.90

## KOHL RABI, or KNOL KOHL

Knollkohl  
Cavolo rapa  
Kolorapa

A useful vegetable, not nearly so much cultivated in this country in gardens as it would be were its merits known. Used as a substitute for Turnips, especially in hot dry seasons. The bulb grows entirely out of the ground.

*The Cultivation of Kohl Rabi.*—Prepare a breadth of good, well-manured soil. Drill the seeds in rows, about 15 in. apart in May, and thin out to about 9 in. apart. They are ready for use when they attain the size of a small Turnip. 1 oz. of seed will sow 150 ft. of drill.

Varieties.—There are two varieties in general cultivation, the white and the purple.

**Earliest White.**—Garden Kohl Rabi.

Price of the above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.25	.75	2.50

**Earliest Purple.**—Garden Kohl Rabi.

## LEEK

Peree, oder Lauch  
Porro

*The Cultivation of Leek.*—Sow early in April, and transplant early in July into trenches of well-manured soil, say 1 ft. in depth, and 1 ft. 8 in. between the plants. In warm weather liberal dressings of liquid manure will be of service, and the plants should be afterwards carefully earthed up to blanch the stems. For exhibition, sow in January in boxes under glass, and transplant as early as the ground can be worked into rich soil. 1 oz. of seed will sow 100 ft. of drill.

**BROAD LONDON FLAG.**—Hardy; whole plant is edible; quick-growing for early use.

**Monstrous Carentan, or Scotch Champion.**—Grows rapidly and is very hardy; grows to large size, and is highly recommended. See illustration.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.20	.50	1.50



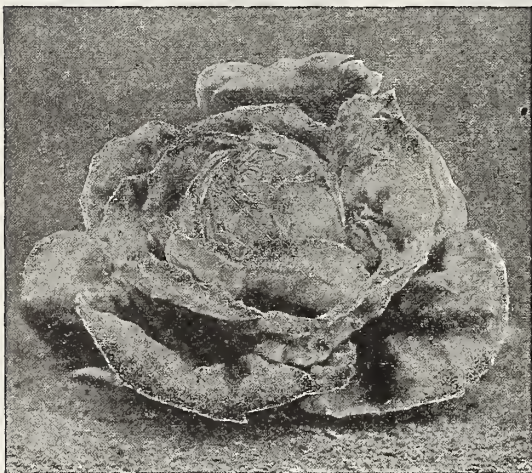




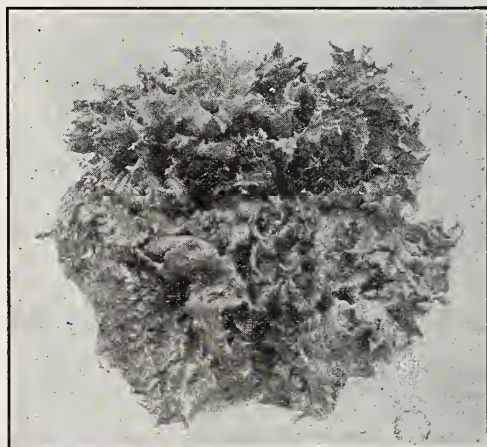
A cut head of Holmes' Improved Big Boston Lettuce, French Grown



A field of Holmes' Improved Big Boston



Holmes' Zero



Early Prize Head



Holmes' Perfect



Salamander



# LETTUCE

Lattich, oder Kopfsalat  
Lattuga Salata

**Cultivation of Lettuce.**—Sow the seed in hotbeds during February or early March. As the seedlings appear prick them into flats or cold frames, leaving several inches between the plants for growth. As soon as a nice, rich warm spot can be worked in the open, transplant the sturdiest plants in rows 1 foot apart and leaving 8 to 12 inches between the plants in the rows. For a succession of growths sow the seeds very lightly in open ground and thin the plants to 6 inches or more apart. Do this as often as one bed is rid of its result. Some varieties will do very well during the winter in a cool forcing house. 1 ounce of seed will produce 3,000 plants.

## CABBAGE-HEADED VARIETIES

### NOVELTY

#### HOLMES' ZERO LETTUCE

**Resists Heat in Summer and Stands Longer Than Any Other Lettuce Without Going to Seed**

As hardy in winter as the winter Lettuce, Nansen, introduced a few years ago. Produces large, solid heads of a yellowish green color, being very crisp and of the most delicious flavor. Great value for market. See illustration.

### SPECIALTY

#### HOLMES' PERFECT LETTUCE

A fine all-around Lettuce. It is an exceedingly quick grower with handsome buttery head, and can be used for both early and late sowings. Under glass it is the finest heat-resisting variety we know of outside of, probably, Holmes' Zero. The inner leaves (practically the entire head) blanch to a rich golden yellow, and have a fine, rich buttery flavor. It is an excellent shipper and a good keeper. See illustration.

### NOVELTY

#### HOLMES' IMPROVED BIG BOSTON LETTUCE

(FRENCH GROWN)

**Quality Superb. Tender, free from any Bitterness. Absolutely will not turn Red**

Similar to the old Big Boston, only runs much more even and larger in head; leaves lay close and form a compact, buttery head. It is praised by all users, and is a distinct strain, far superior to any other strain we have ever seen growing. We have given it the name "Holmes' Improved" so as to distinguish it from any other strain on the market. Sold only under seal. See illustration.

For ordinary Big Boston Lettuce as usually sold by other seedsmen, see general list.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.20	.60	1.75

**Boston Market.**—(Private Stock.) Ideal for forcing; fine quality; tender, sweet, crisp.

**California Cream Butter.**—Produces large, solid heads in cool weather.

**Deacon.**—Large, firm heading; fine buttery quality.

**Denver Market.**—Large, solid heads; leaves crimped.

**Holmes' Giant Crystal Head.**—Exceeds every other variety in size and productiveness. Fine flavor, crisp, tender.

**Big Boston.**—Plants large; very vigorous; broad, comparatively smooth, hard, light green leaves.

**Holmes' Rapid Forcing.**—Solid, golden-yellow heads; crisp, tender.

**Improved Hanson.**—A large, flat head, resembling that of cabbage; very tender and sweet.

**Mammoth Black Seeded Butter.**—Enormous head; tender, sweet and crisp.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.20	.50	1.50

**May King.**—Heads of globular shape, firm and close; color light green; ribs delicate and waved center is of a light yellow and very tender.

**Iceberg.**—A large solid-headed very crisp kind, the hearts of which under moderate cultivation weigh from 2 to 3 pounds.

**NEW YORK, or WONDERFUL.**—Immense heads; solid, crisp, tender, delicious.

**Philadelphia Dutch Speckled Butter.**—Large heads; excellent quality.

**Philadelphia Early Dutch Butter.**—Heads very compact; for forcing.

**Philadelphia White Cabbage.**—Large-headed summer variety.

**Salamander.**—Good-sized, compact and tender heads, creamy white inside; rich, buttery flavor.

**Tennisball, Black-Seeded.**—Very early, small, hard-heading variety.

**THICK HEAD YELLOW.**—Extra fine, large, summer variety.

**Yellow-Seeded Butter.**—Large, dense, yellow head; crisp, tender; fine flavor.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.20	.50	1.50

### SPECIALTY

#### HOLMES' IMPROVED GRAND RAPIDS LETTUCE

**Improved by Years of Selection; Grows Larger and Absolutely Free from "Rogues"**

Almost Lettuce perfection, being free from the rogues found in almost every stock grown. Does not form heads, but makes large, compact bunches of light golden foliage, the leaves having finely curled or fringed edges. Delicious quality and handsome appearance make it most popular in many markets. See illustration.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.25	.75	2.50

## CURLED, or CUTTING LETTUCE

This type does not form compact heads, but large masses of curly, crisp leaves, which are practically everbearing, as they keep growing after picking. The best are:

**Black-Seeded Simpson.**—Large, loose heads; curly, yellow leaves.

**Early Curled Silesia.**—One of the best cutting varieties.

**Early Curled Simpson.**—Yellowish green; curly; earlier than head Lettuces.

**Early Prize-Head.**—Large, loose heads, stained red; curled.

**THE MORSE.**—Light green; hardy. Superior to all.

**Tomhannock.**—An upright Lettuce; tinged brown.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.20	.50	1.50

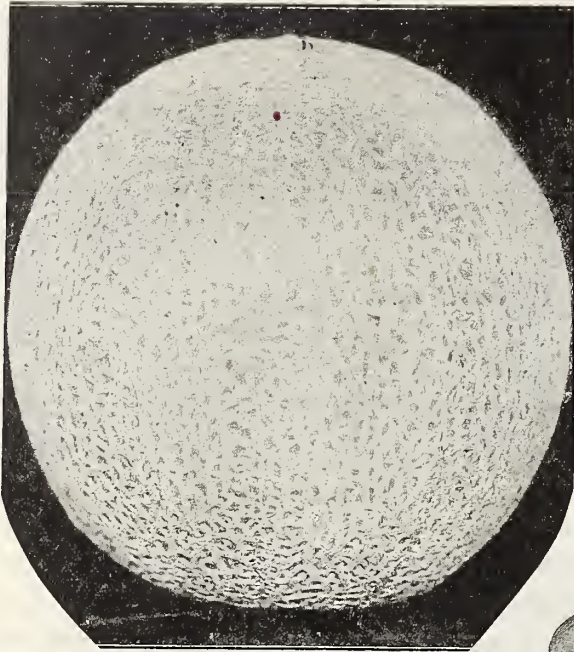
## COS OR ROMAINE VARIETIES

**Holmes' Paris White Cos.**—This remarkably fine Lettuce becomes more popular every season, and is without doubt the best and finest flavored Cos Lettuce in cultivation. Owing to the self-folding habit it possesses, no

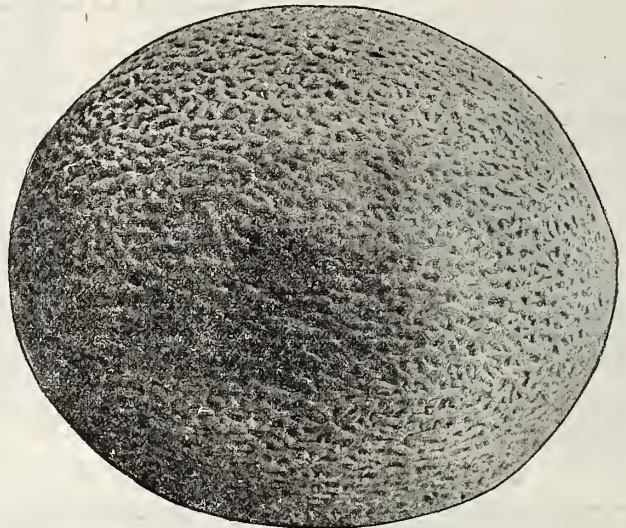
tying is required. The heads are very solid and crisp eating. It does not run to seed as quickly as other Cos varieties.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.20	.75	2.00





Pink Meat or Pollock No. 25



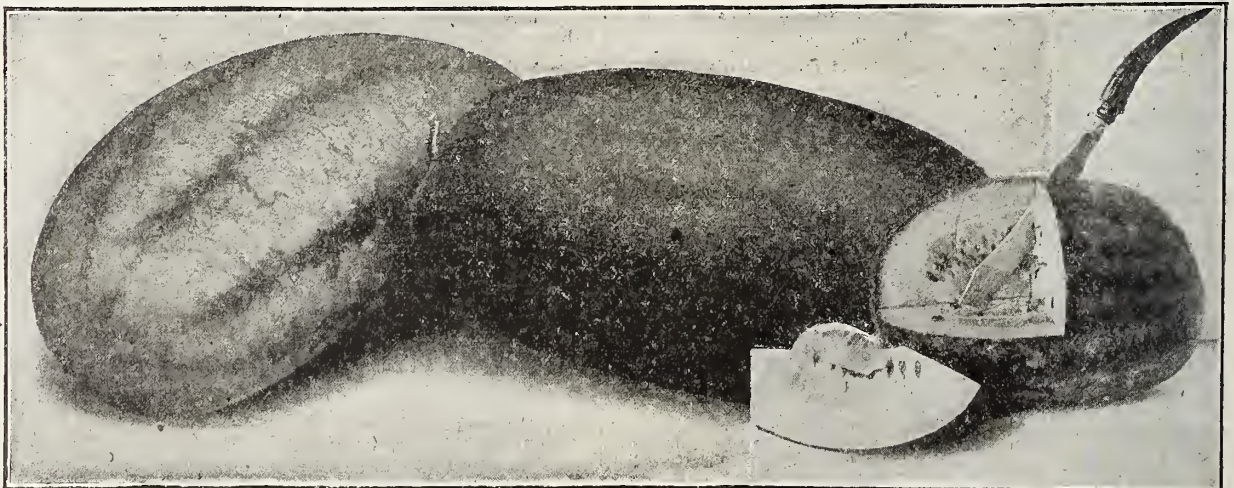
Robinson's Delicious Gold-Lined Cantaloupes



Delicious Gold-Lined Cantaloupe



Honey Dew Muskmelon



Kleckley Sweets

Tom Watson

Harris' Earliest Watermelon



## MUSKMELONS

Melone Popone  
Melon

One ounce for 60 hills; 2 to 3 pounds in hills for an acre

**Culture.**—Melons thrive best in a moderately enriched, light soil; the hills should be 3 to 6 feet apart each way, according to the richness of the soil. Previous to planting, mix well with the soil in each hill a couple of shovelfuls of thoroughly rotted manure; plant 8 or 10 seeds in each hill early in May for latitude of Harrisburg (for south earlier, for farther north later), and when well up thin out to 3 or 4 plants to the hill. One ounce for 60 hills; 2 to 3 pounds for an acre.

## NOVELTY

## ROBINSON'S DELICIOUS GOLD-LINED CANTALOUPE

We have said so much at different times about our select stock of this splendid strain of Rocky Ford, that our friends hardly need a further introductory. It is the acme of perfection in the green-fleshed strains, and we are keeping it right up to date.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.20	.60	2.00

## NOVELTY

## PINK MEAT, or POLLOCK No. 25

This variety was first introduced at Rocky Ford, Colo., in 1914, and met with instant favor. It is very similar to Delicious Gold-Lined in appearance, growth and breeding, differing principally in the color of the flesh. As the name signifies, it has a distinct pink flesh, very delicate in color and flavor. Good shipper, uniform in size and shape. Being completely overcast with fine netting, it has a most attractive appearance.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.25	.75	2.50

## NOVELTY

## HONEY DEW

The originator says: The original seed came from Africa and after crossing twice with the Rocky Ford and Cassaba, the Honey Dew was developed. The originator says:

I named the melon "Honey Dew." It is as sweet as honey and has the mingling of several flavors—pineapple, banana and vanilla predominating.

The average size of the melon is six inches in diameter and seven to eight inches in length, weighs five to six pounds. The skin is smooth, with an occasional net, is a creamy yellow when ripe. The flesh is an emerald green, very thick, melting and very fine grained; can be eaten to the extreme rind. The seed cavity is very small, the rind is impervious to a splinter, the melon does not shrink in weight, is not easily bruised and is a splendid shipper.

It matures about ten days later than the Rocky Ford strains and is very prolific. Yields at the rate of 8,000 to 10,000 melons per acre. The melon slips from the vine when ripe and will keep for several weeks; the late maturing ones may be kept until Christmas. Will grow where Rocky Ford varieties will thrive.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.25	.85	3.00

## SPECIALTY

## BURRELL'S GEM

Two facts about this Rocky Ford Melon will indicate its great value. Mr. Burrell, the introducer, from whom we get our seeds direct, sold \$6,000 worth from 12 acres in 1909. The Fred Harvey eating houses, dining cars and hotels always specify it as their first choice. Its value is proved by those things. The golden colored netting is similar to that of Rocky Ford Melon, making it very fine in appearance. The Melon is smooth and very solid and will ship across the continent, as it is possibly the best keeper grown. The flavors of Rocky Ford and Osage are blended in the spicy, sweet and golden flesh. An abundant crop is produced—often 20 to 30 Melons from a hill, and each one weighing 2 or 2½ pounds. See illustration.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.20	.50	1.50

## WATERMELONS

**Culture.**—Select rich, deep sandy loam, well worked and highly manured. Scatter a dozen seeds to a hill, thin to three or four plants. When they have to 30 hills. Four pounds per acre.

**Colorado Preserving Citron.**—Green seed. Also called Apple Pie.

**DARK ICING.**—Early, round, solid; thin, dark green skin; superior quality.

**Dixie.**—Large; dark green; fine shipper; solid red flesh; popular South.

**Florida Favorite.**—Superior; large; oblong; striped; luscious red flesh.

**GRAY MONARCH, or LONG WHITE ICING.**—Very large; long; crimson flesh.

**Ice Cream, or Peerless.**—Very early; red flesh; fine quality.

**Jones' Jumbo.**—Round; large size; dark green skin; good quality.

**Light Icing, or Ice Rind.**—Round in form; flesh of fine quality.

**Mammoth Ironclad.**—Long; striped; late; red flesh; good shipper.

**McIver SUGAR.**—Large; fine quality; oval; flesh pale pink, sweet, melting.

Wassermelone Meloni d'aqua  
Melon Wodny

Plant when all danger of frost is over, in hills 5 to 6 feet apart each way. Four or five rough leaves, pinch off the ends of the main shoots. One ounce

**Mountain Sweet.**—Flesh red; extra-fine quality.

**Sweetheart.**—Large; oval; heavy; flesh bright red; crisp, melting, sweet.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.10	.25	.85

**HARRIS EARLIEST.**—Oval; fine quality; bright red flesh; sweet, tender and delicious.

**KLECKLEY SWEETS.**—Flesh bright scarlet; crisp, sugary and melting. See illustration.

**TOM WATSON.**—New. Large variety; 18 to 24 inches long; weight 40 to 50 pounds; flesh deep red; good shipper. See illustration, page 21.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.10	.30	1.00

## MUSHROOM SPAWN

Schwamm Fungo Pratajola

The culture of Mushrooms is easy if you plant fresh and thoroughly reliable spawn. They can be grown in a cellar, in sheds, hotbeds or the open air. New beds must be made at each planting.

Price of above, English... Brick	Doz.	25 Lbs.	100 Lbs.
	.35 (40 postpaid)	2.25	3.50 11.00

American Pure-Culture Spawn.....	Brick	5 Bricks	10 Bricks
	.25 (.35 postpaid)	1.10	2.00

## MUSTARD

**Black, or Brown.**—Large, succulent leaves, pleasantly pungent.

**Giant Southern Curled.**—A favorite in the South.

**White London.**—Leaves used in salads and for garnishing.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.10	.20	.60

## PAUL ROSE, or PETOSKEY

In this variety, which has gained great popularity, are combined all the good qualities of the Netted Gem and Osage, of which it is a cross. It is finely netted like the Gem and averages about the same size; will outweigh a Netted Gem of equal size by at least a third. Flesh salmon-colored.

## ROCKY FORD

This is one of the most popular of small or basket Melons and is shipped in large quantities from Colorado and Arizona. The fruit is oval, slightly ribbed, densely covered with fine netting and very uniform in shape and quality. Flesh thick, green, very sweet and highly flavored.

## EMERALD GEM

A splendid Melon. Fruit conveniently small or medium-sized, globular, or slightly flattened at the ends, only slightly netted and ribbed; skin green, tinged with yellow; flesh deep salmon-yellow, thick, ripening close to the rind and exceedingly high flavored.

## NEW FORDHOOK

This Melon originated in South Jersey and is a cross between Emerald Gem and Improved Jenny Lind. It is the shape of the large-sized type of Jenny Lind but has very thick, deep salmon-colored flesh, surpassingly sweet to the very rind.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.40	1.25

## GREEN-FLESHED MUSKMELONS

**Anne Arundel.**—Oval; heavily netted; green fleshed; solid; grand shipper.

**EXTRA-EARLY HACKENSACK.**—Hardy; prolific; round; deeply ribbed, coarsely netted; green flesh; delicious.

**Hackensack, or Turk's Cap.**—Large with round and flattened ends; thickly netted; productive; extra quality.

**HOLMES' IMPROVED NUTMEG.**—Popular; skin deep green, finely netted; flesh greenish-yellow, rich and sugary.

**Jenny Lind.**—Small, round, flat-ended, deeply ribbed; flesh yellowish; flavor fine; very productive over long season.

**Long Island Beauty.**—Hackensack type; very early; luscious, green flesh, thick and sweet; netting heavy.

**NEW GREEN-FLESHED OSAGE.**—Hardy; prolific; handsomely netted and colored; firm, luscious flesh.

## RED, or SALMON-FLESHED MUSKMELONS

**Banana.**—An old variety; very long.

**MILLER'S CREAM, or OSAGE.**—Medium to large, oval, netted; flesh rich salmon; deep, firm, sweet and melting.

**PERFECTION, or PRINCESS.**—Early, round, beautifully netted; best red-fleshed.

**Tip-Top Nutmeg.**—Slightly oval; good size; sweet, juicy; yellow flesh.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.10	.35	1.00

## NASTURTIUM, or Indian Cress

The seed pods, gathered green, are delicious; pickled and used for seasoning like capers.

**Dwarf.**—Mixed varieties. A trailer requiring no support.

**Tall, or Large.**—Climber 10 feet high; ornamental flowers. In many varieties mixed.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.35	1.25

## OKRA, or GUMBO

Ochre Ocra

**Dwarf Prolific.**—Of dwarf, stocky growth; very early and prolific.

**Lady Finger.**—Long, slender, pale green pods; very tender.

**White Velvet.**—Large, round, smooth pods; never ridged; prolific.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.10	.20	.60



# CHOICE ONIONS

Tested and of the Strongest Vitality  
The Finest Selected Strains

One ounce of seed will sow 100 feet of drill; five pounds will sow an acre.

We pride ourselves on selling the **very best Onion Seed** that can be produced, and are now supplying some of the largest Onion growers of the country. By sowing our seed, large Onions may be produced direct from the seed. See testimonial below.

**Culture.**—Sow in early spring, in moist soil, as soon as the weather will permit, in rows 12 inches apart, and cover half an inch deep. If the Onions grow too thick, thin to about an inch apart, or only a few small Onions will be the result. Manure highly (20 loads to the acre being used by market-gardeners with profit), and if manure is not plenty, some good phosphate, at the rate of 400 to 800 pounds per acre, will give splendid crops. A top dressing of wood ashes, applied after the second weeding, is very beneficial.

**CAUTION.**—Beware of cheap Onion seed. Fresh new seed, such as we sell, will test 90 to 95 percent. If you are led by low prices to purchase Onion seed from doubtful sources, test it before planting. Our prices are as low as reliable seeds can be bought. **The lowest priced Onion seed is not always the cheapest.**

## SPECIALTY

## HOLMES' OHIO YELLOW GLOBE

A selected strain, uniform shape, attractive color, mild flavor, and produces enormous crops of large Globe Onions. Grown in Ohio for us by one of the best growers who has been selecting this strain for a number of years. Note the shape in the illustration.

Our strain of this particular Onion has the finest shape, best color, and yields the largest crop of any yellow Onion. The heaviest yield of Onions is always obtained from rich, black lands. On such soils a globe-shaped Onion, with a somewhat flattened base, gives largest returns; the bulbs are large and uniformly spherical, with very small necks, the largest diameter below the center of the bulb; of a rich orange-yellow; enormous yielders and splendid keepers. See illustration.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.10	.25	.85	3.00

**YELLOW GLOBE DANVERS** (as usually sold).—Of uniform size; bright yellow; immensely productive; mild, tender, of fine flavor.

## ROUND, or FLAT YELLOW DANVERS

As grown by us, this is a fine, selected strain, combining extreme reliability in ripening with large yield. It is grown extensively for market, ripening more surely in moist locations than do globe-shaped varieties, as well as earlier. It is becoming more popular also for growing Yellow Onion sets. Our strain produces thin-necked, flattened bulbs which are quite thick through, yielding well in bulk.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.05	.20	.75	2.50

**MARKET GARDENERS AND THOSE WHO USE ONION SEED IN LARGE QUANTITIES SHOULD WRITE US FOR SPECIAL PRICES**

## WHITE PORTUGAL, or AMERICAN SILVERSKIN

A medium-sized Onion of mild flavor; it is a good keeper and fine for fall and early winter use.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.10	.35	1.25	4.00

## YELLOW STRASBURG, or DUTCH

The large Onions are flat, round, thick through. Skin yellow; flesh pure white, mild flavored; productive; best for sets.

## SOUTHPORT RED GLOBE ONION

The Onions from Southport, Conn., generally command an extra price in New York markets because of their beautiful shape and color, due partly to the variety grown and partly to the favorable soil and the extra care taken in handling the crop. The Southport Red Globe is of medium size, spherical, with small neck, very deep, rich red in color, and of superior quality.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.05	.20	.75	2.75

## SOUTHPORT WHITE GLOBE

Yields abundantly, producing handsome and uniformly globe-shaped bulbs. The flesh is firm, fine grained and of mild flavor. See illustration.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.10	.35	1.25	4.25

## SOUTHPORT YELLOW GLOBE

This is of the same general character as the Southport White and Red Globes, except that the skin is a rich yellow; flesh pure white and of a mild and delicious flavor. It is one of the most popular of the Yellow Globe Onions. These three varieties of Southport Globe Onions we have carefully bred up for years. All three Southport Onions ripen very evenly and on this account particularly are wonderful keepers.

## EXTRA-EARLY RED

A medium sized, flat variety of deep red; an abundant yielder. It is very uniform in shape and size, moderate in flavor; ten days to two weeks earlier than Wethersfield. Especially good for a cool climate where other varieties fail to produce full-sized Onions.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.10	.20	.75	2.50

## PRIZETAKER (AMERICAN-GROWN)

The true American-grown Prizetaker is larger and more uniform in growth than any other yellow variety. It is of beautiful appearance, with outside skin of a rich straw color, while the flesh is white, sweet, mild and tender. The average size is 12 to 16 inches in circumference; the weight sometimes reaches 5 pounds.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.10	.30	1.00	3.50

## LARGE RED WETHERSFIELD

**A Leading Variety. Produces Enormous Crops of Solid, Heavy and Perfect Onions**

This is a grand red variety and a general favorite. With the exception of the Yellow Globe Danvers, there is no variety so largely grown. Our stock is excellent, being saved from only carefully selected bulbs; will be found quite free from necky and misshapen bulbs, and will invariably grow to a large size under proper conditions. The surface color is a rich, dark red. It is an early variety to mature and a fine keeper. The flavor is good and mild, and is an admirable Onion for boiling.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.05	.20	.65	2.00

## ONION SETS

**White and Yellow Onion Sets.**—Grown from our select strains. The price per bushel is subject to change with the market. Write for quotations. Per qt., postpaid, 35 cts.

## ITALIAN AND PICKLING ONIONS

**Adriatic Barletta.**—Very early; small; pure white with silver skin; flesh mild, but firm; fine for pickling.

**Queen.**—Very early; small; flat; white and mild pickling Onion.

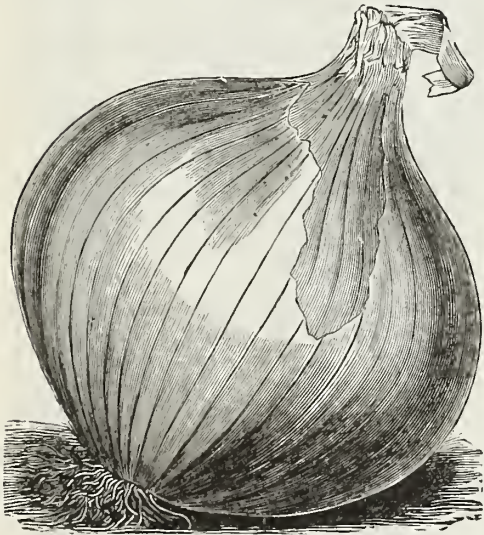
**Silver King.**—White-skinned Onion; immense size.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.10	.35	1.25	4.00





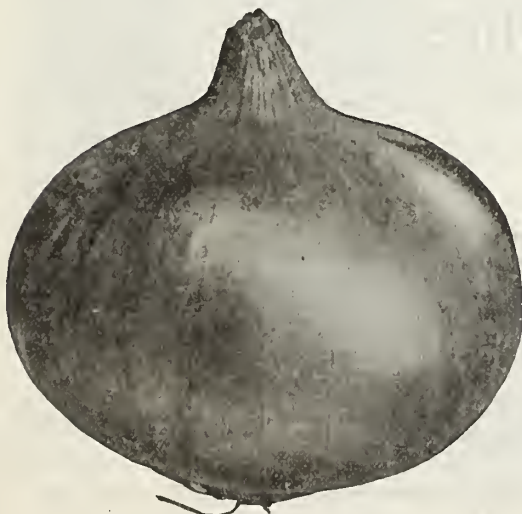
Field of Onions going to Seed on Ranch where our Seed is grown



Prizetaker Onion



Holmes' Improved Ohio Yellow Globe Danvers



Round or Flat Danvers Onion



Southport or Large White Globe Onion





## PEPPER

Pfeffer      Peperone  
Pieprz

*Culture.*—Sow in hotbed in April, and in warm, settled weather transplant outdoors 18 inches apart in rows 3 feet apart, or, when all danger of frost is past, sow in open ground and thin. One ounce will produce about 2,000 plants.

### NOVELTY

### HOLMES' PROLIFIC SWEET PEPPER

One-third natural size. Fully as large as Crimson Giant, but differing in shape.

The most prolific Pepper grown and absolutely sweet.

Not only is it productive for so large a Pepper, but its size and appearance make it sell on sight. Fruits may be gathered early in July. The meat is thick and can be eaten like an apple. We have counted 43 full-sized Peppers on a single plant, and the crop will yield 18 to 30 fruits on each plant.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.50	2.00	6.00

### SPECIALTY

**NEW CHINESE GIANT.**—Strong; stocky growth; bushy; erect; growing 18 inches to 2 feet high. Very prolific. Peppers very large in size; flesh thick, very mild. See illustration.

### SPECIALTY

**NEW RUBY GIANT.**—Extra large; vigorous in growth; mild and sweet as an apple makes fine salad with tomatoes. See illustration.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.50	1.75	6.00

**EATLY NEAPOLITAN.**—Fruits may be gathered the last of June. Thick-meated, usually mild and sweet; bright red. Plants frequently carry 30 to 40 handsome fruits. See illustration.

**Golden Queen.**—Golden yellow; sweet and delicate flavor.

**Large Bell, or Bull Nose.**—Large; early; bright red; mild.

**Long Red Cayenne.**—Late; small, bright scarlet; cone-shaped; pungent pods.

**Red Cluster.**—Dwarf, compact; small, thin, red pods.

**Ruby King.**—Prolific; early; ruby-crimson; flesh thick, mild, sweet. See illustration.

**Sweet Mountain, or Mammoth.**—Very mild flavor.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.25	.85	3.00

## PARSNIPS

Pastinake  
Pastinaca

*Culture.*—Sow early in spring, in drills 15 inches apart and half an inch deep in a rich soil; thin out to 6 inches apart in the rows. One ounce will sow 200 feet of drill.

**GUERNSEY.**—A half-long Parsnip. Flesh fine-grained; much sought for by market gardeners because of its fine appearance.

**HOLMES' HOLLOW CROWN.**—Uniformly large and handsome roots of stocky form. Flesh white; fine texture; free from core and stringiness; fine flavored. Frost improves their quality. See illustration.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.10	.25	.90

## PARSLEY

Petersile  
Peitroszka

*Culture.*—Soak seeds in water 24 hours before planting. Sow thickly early in rows one foot apart; cover half an inch deep; finally thin to 5 or 6 inches apart, or transplant and cut back frequently. Five pounds to the acre.

**Champion Moss Curled.**—Densely crimped, dark leaves.

**Extra Curled Emerald.**—Dwarf habit; productive.

**Extra Double Curled.**—A popular fine dwarf.

**Hamburg, or Turnip-Rooted.**—Fine for flavoring.

**HOLMES' IDEAL.**—Leaves ornamentally crimped; growth compressed and thick, almost a half-globe. Very robust, greatly improved by severe cutting. Stands heat, drought and cold; yields finely. Color and taste ideal.

**Plain.**—The leaves are not curled; plant very hardy.

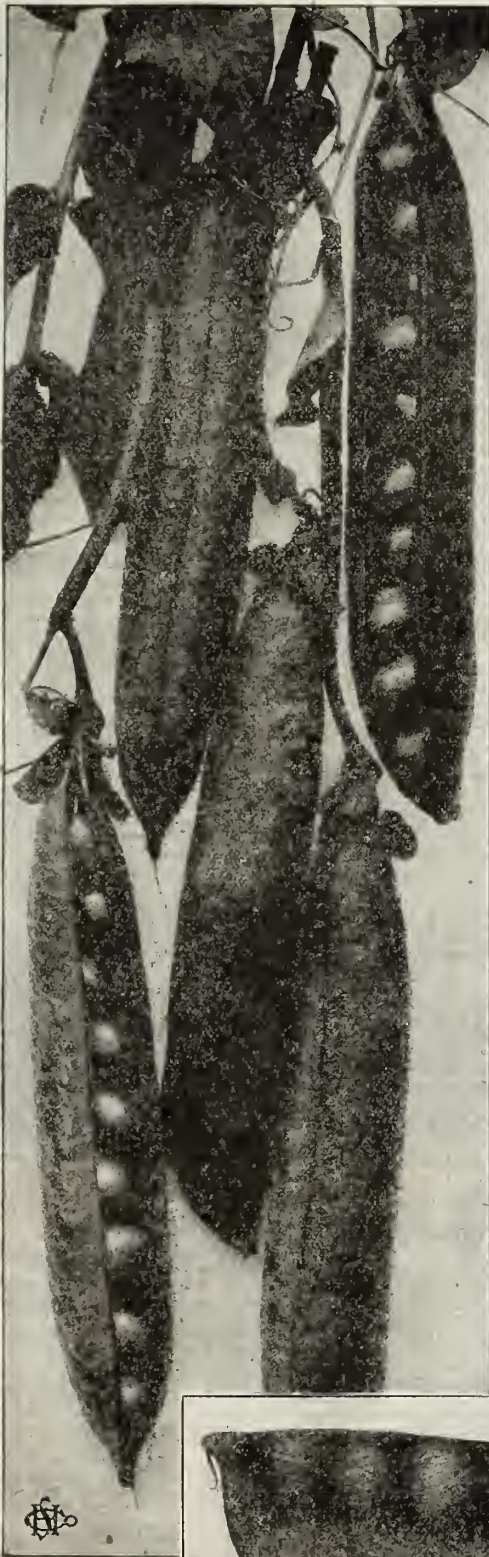
**Italian Long Smooth.**—New. Much sought for by German truckers; true.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.40	1.25

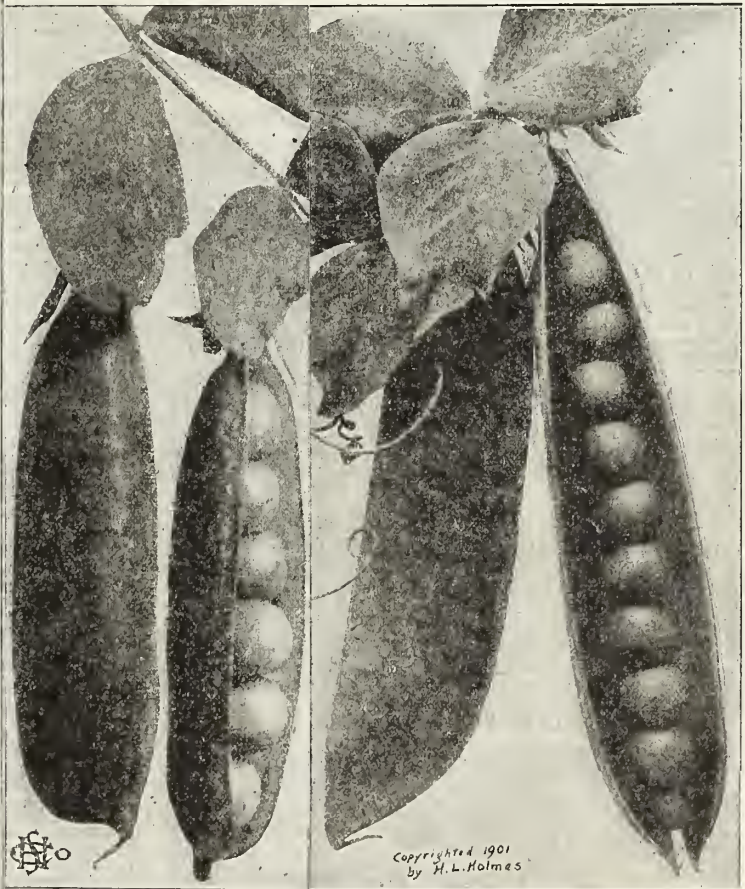
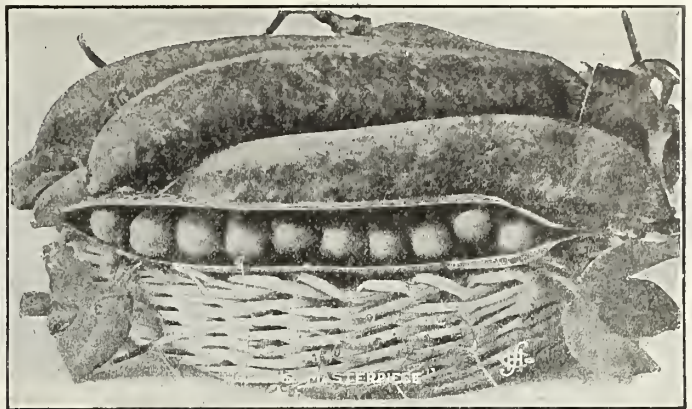


Holmes' Hollow Crown Parsnips





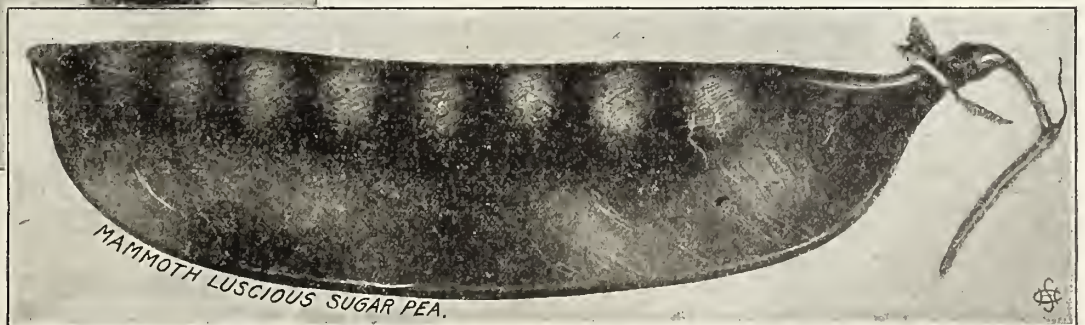
Holmes' Peas



New English Pea, Little Marvel

Gradus Pea. ( $\frac{3}{4}$  actual size; from photo.)

New English Pea,  
Sutton's Excelsior  
VERY PROLIFIC  
AND SWEET







The best late Pea grown—ALDERMAN

## PEAS

NORTHERN-GROWN

Erbsen Groch Pisello

**These prices are subject to  
change without notice**

Again, for the sixth year, the Pea crop is short; in fact, at this writing, there is no telling just the damage done, but we are assured that many varieties of Peas have been cut very short by reason of the frosts and snow. So beware of cheap seed.

**Culture.**—To grow for market sow in single rows 1 inch apart and 2 to 3 inches deep, the rows from 2 to 4 feet apart. When grown in garden sow in double rows 6 to 8 inches apart; tall sorts require brush. Begin sowing the extra-early varieties as soon as the ground can be worked in March; continue for a succession, every two weeks until June. One quart will plant 100 feet of drill;  $1\frac{1}{2}$  bushels to the acre.

### NOVELTY NEW ENGLISH PEAS, LITTLE MARVEL

Still another year's experience makes us hold this distinct, new, dwarf first-early in even higher esteem. We are sure that as soon as American gardeners, whether for pleasure or profit, become acquainted with Little Marvel, they will drop both Little Gem and Nott's Excelsior, popular as these two varieties are today. The vines of dwarf, even growth, average 15 inches in height and are heavily set with fine pods, frequently borne in pairs. The pods average  $2\frac{1}{2}$  inches in length, are square at the bottom and well filled with six to seven quite large, deep green Peas. The Peas are ready for the table fully as early as American Wonder or Nott's Excelsior, while the pods are larger and the vines produce a much heavier crop. All who desire a fine early crop of the choicest quality wrinkled Peas will be delighted with Little Marvel. See illustration.

### NOVELTY NEW ENGLISH PEAS, SUTTON'S EXCELSIOR

Its great merit is that it is an early, dwarf, wrinkled Pea in the front rank for earliness, yet with much larger, handsemer pods than any other dwarf wrinkled. Similar in habit of growth to Nott's Excelsior, which is one of the most popular. It holds the place in the extra-early class that is now so acceptably filled by Stratagem and Telephone in the later sorts. The height is about 12 to 14 inches, showing a great abundance of long, broad, straight pods of pale green.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.30	50 postpaid.	20 00

### GRAND NEW GARDEN PEAS, QUITE CONTENT

A sensational novelty of England which is, without doubt, the largest podded Pea in existence. At all the principal shows in England Carter's "Quite Content" is now preeminent.

It is ready for picking at the same time as the well-known Alderman, which it closely resembles, but has considerably larger pods. The vines attain the height of 5 to 6 feet; pods enormous, dark green, measuring 5 to 6 inches and contain 8 to 12 Peas of delicious flavor. We have seen pods of this new Pea 7 to 8 inches long and fairly crowded from tip to tip with fine large tender Peas.

### NEW LATE PEAS, ALDERMAN

This fine second-early, wrinkled Pea has proven in our trials to be a very valuable acquisition. We predict for it a place in every catalog, and, once in the hands of the gardener, the old Telephone and Duke of Albany will be forgotten. Vines vigorous, growing about  $3\frac{1}{2}$  feet high, with coarse, dark-colored leaves and producing an abundance of very large, dark green pods, filled with immense Peas of delicious flavor. A splendid shipper and we recommend this to all large Pea growers.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.25	.45 postpaid.	18 00

### DWARF EXTRA EARLY VARIETIES

Require no staking or brush

**American Wonder.**—10 to 12 inches. Extra early; of dwarf, compact growth, wrinkled; of the finest quality.

**Little Gem.**—16 to 18 inches. A dwarf, green, wrinkled Pea, prolific and of excellent flavor. A few days later than above.

**Nott's Excelsior.**—14 inches. A superior dwarf, wrinkled early; ready for the table in about 45 days; vigorous constitution and wonderfully productive; quality extra fine.

**Premium Gem.**—15 inches. A fine dwarf Pea of the "Little Gem" type, on which it is a great improvement.

### EXTRA EARLY VARIETIES OF MEDIUM HEIGHT

**Alaska.**—2 feet. A wonderfully early, smooth, blue Pea; vines slender; pods very dark green, about 3 inches long, well filled with small, smooth, blue-green Peas. The earliness, uniformity in ripening and deep color render it a desirable market and canning Pea.

**Holmes' Pedigree Extra Early.**— $2\frac{1}{2}$  feet. An extra early round, smooth white Pea unequalled in earliness, uniformity in ripening, size, yield and flavor. The universally popular extra early Pea for both market and private gardens.

**Holmes' Market-Gardeners Extra Early.**—A superior strain of the Extra Early Peas, ripening even throughout the crop. 2 feet.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.25	.40 postpaid.	16 00

### NOVELTY NEW PEA, HOLMES' MASTERPIECE

Extra-Early Large Podded

We have watched the behavior of this splendid Pea with much interest, for it always seemed to us that it would outrank, as a large early Pea, the justly famous Gradus, or Prosperity, and it has. We believe this to be one of the finest and most prolific large-podded Peas ever introduced. The pods contain 8 to 10 perfectly formed Peas, and are of such large size and excellent flavor that they sell on sight at market. In quality and flavor the Peas are all that can be desired. See illustration, back cover.

### NOVELTY NEW ENGLISH PEAS, LAXTONIAN

This is the Largest Podded of All Early Dwarf Peas

A new sort of decided merit. The vines are vigorous, growing about 16 inches high and produce a large crop of good-sized pods, averaging from 9 to 10 Peas to the pod. The Peas are of exquisite flavor and mature early. Many people who have tried Laxtonian consider it superior to either Gradus or Thomas Laxton and claim it to be the best of all the early dwarf sorts. It is certainly worth a trial. See illustration.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.30	.55 postpaid.	22 00

### SPECIALTY

#### NEW PEA, GRADUS

ALSO CALLED EARLY TELEPHONE

Earliest Large-Podded Pea ever Introduced—Height 3 feet; Plant Thickly

In the Gradus we have one of those long strides of progress not often found in the ordinary advancement of vegetables. The variety is an imported one, having been raised by Thomas Laxton in England. The vine has very heavy stems and produces uniformly large pods, measuring 4 to  $4\frac{1}{2}$  inches long, nearly round, and well filled with 8 to 10 large handsome Peas. In flavor and quality Gradus is of the highest "marrow" type, melting and sugary, retaining, when served, its bright, vivid green.

### SPECIALTY

#### NEW PEA, THOMAS LAXTON

A new variety, producing large pods in abundance. Delicious; matures as early as the extra-early smooth Peas and, being a wrinkled sort, is much sweeter.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.30	.50 postpaid.	20 00

### SECOND OR MEDIUM EARLY VARIETIES

**Advancer.**— $2\frac{1}{2}$  feet. A great favorite and popularly known as the Dwarf Champion; green, wrinkled peas of fine flavor.

**Abundance.**—3 feet. A deservedly popular variety, branching from the bottom and bearing abundantly roundish pods 3 to  $3\frac{1}{2}$  inches long, well filled with 6 to 8 large wrinkled Peas of excellent quality.

**Everbearing.**—3 feet. A prolific and continuous-bearing Pea, giving it especial value for both summer and autumn use; pods 3 to 4 inches long, containing 6 to 8 large wrinkled peas,  $\frac{1}{2}$  inch in diameter.

**Horford's Market Garden.**—2 feet. A grand wrinkled Pea, noted for its uniform growth and prodigious yield. The pods, though of medium size, are packed with peas of sweet flavor.

**Carter's Daisy, or Dwarf Telephone.**—Cross of Stratagem on Telephone. Very productive. Pods long and well filled.

**NEW DWARF CHAMPION.**—A hardy, robust and vigorous grower of handsome green pods and the quality is unsurpassed. Height of vine 26 inches, 68 days from planting. For a reliable, staple market variety we believe it will fill a long-felt want.

### MAIN CROP OR LATER VARIETIES

**Long Island Mammoth, or Telegraph.**—Large pods and peas.  $3\frac{1}{2}$  feet. **Pride of the Market.**—(Imp.) Large pods; popular for market.  $1\frac{1}{2}$  feet.

**Yorkshire Hero.**—A spreading variety; very productive. 3 feet.

**Duke of Albany, or American Champion.**— $4\frac{1}{2}$  feet. A grand, large-podded, wrinkled Pea, each pod containing from 9 to 12 immense peas, the largest of all varieties, while the quality is superlatively fine, tender, rich and sweet; very productive.

**Champion of England.**—5 feet. A superior selection of this well-known favorite, noted for the rich, marrow-like quality of its large, wrinkled Peas.

**Junco.**—2 feet. A dwarf main crop, green, wrinkled, marrow Pea of superb flavor and vigorous constitution.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.25	.45 postpaid.	18 00



## PEAS—Concluded

**These prices are subject to change without notice**

**\*Stratagem.**—2 feet. A dwarf, blue, Wrinkled Pea; a heavy cropper, producing large pods well filled with large marrow Peas of excellent flavor.  
**\*Telephone, Special Strain.**—4½ feet. Strong-growing; exceedingly productive pods of largest size, containing 6 to 7 large, wrinkled marrow Peas of rich, sugary flavor.  
**Black-Eyed Marrowfat.**—5½ feet. An old favorite; prolific market Pea.  
**White Marrowfat.**—5½ feet. Similar to above, but of better quality.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.25	.45	20.00

## SUGAR, or EDIBLE-PODDED PEAS

The pods are cooked like string beans; if used when about half-grown they are deliciously tender and sweet.

**\*Dwarf Sugar.**—1½ feet. Extra-fine quality; productive and early.

**Melting Sugar.**—5 feet. Mammoth variety; pods "snap" without string; very sweet; tender.

**MAMMOTH LUSCIOUS.**—Excels in size, productiveness and quality. Vines average 36 inches; pods gigantic in size; broad, sweet and tender; extremely fleshy; equal best snap beans for cooking pods and all. See illustration.

**\*Tall Gray Sugar.**—4 feet. Immense pods; snap; 78 days.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.30	.50	20.00

**Cowpeas and Field Peas.**—See Farm Seed Department.

## PUMPKINS

Melonen Kurbis  
Zucca Bania

**Culture.**—Sow in good soil in May, in hills 8 to 10 feet apart each way; or in fields of corn about every fourth hill. Avoid planting near other vines. One ounce will plant 15 hills; one pound for an acre.

## MAMMOTH GOLDEN CASHAW, or CROOKNECK

This splendid variety is of a rich golden-orange color, and grows to a large size. In its early stages it is dark green, ripening to a warm and rich color. The flesh is much thicker, sweeter and finer grained than in any other Pumpkin, and a deep rich yellow. For making pies this variety is superior, while for stock-feeding and keeping purposes it has no equal.

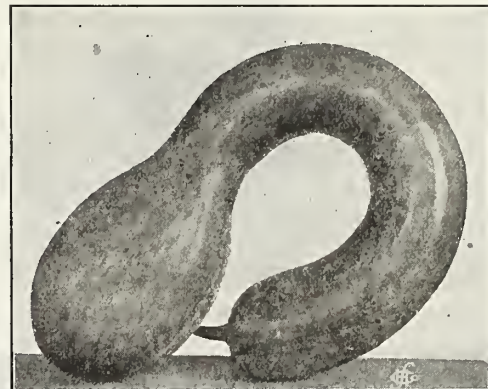
## JUMBO, or MAMMOTH POTIRON

No other Pumpkin ever introduced has reached such enormous weights, and been awarded so many prizes. Hundreds of our customers have raised specimens weighing over one hundred and fifty pounds each. It frequently attains a diameter of over 4 feet. The flesh and skin are golden yellow, and, notwithstanding its enormous size, it makes a good table Pumpkin.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.20	.40	1.50



Jumbo, or Mammoth Potiron Pumpkin



Mammoth Golden Cashaw Pumpkin

**Cheese.**—The most popular for pies and table use; large, flat-round; creamy yellow skin; thick, orange flesh of fine quality.

**Small Sugar.**—A handsome and productive small Pumpkin; 10 to 12 inches in diameter; round-flattened; skin orange, flesh deep yellow, fine-grained and very sweet.

**Winter Luxury.**—A superior pie Pumpkin, small, but enormously productive, and an excellent keeper; shape rounding-oblong, about 10 inches in diameter; golden-russet, finely netted; flesh deep golden, sweet and tender.

**Improved Green Striped Cashaw.**—Improvement on White Cashaw, green and white striped; flesh rich yellow, solid, fine-grained, thick and sweet.

**Quaker Pie.**—Shape nearly oval. Cream-colored skin and flesh; fine quality.

**Tennessee Sweet Potato.**—Bell-shaped, white flesh, very thick and sweet.

**Japanese.**—Surpasses all others in flavor. Flesh thick, salmon-colored, fine-grained, sweet.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.10	.35	1.25

**Connecticut Field.**—A productive, large, orange-colored field Pumpkin, usually grown for stock feeding, but it also makes good pies.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.10	.30	.75

## PURE NORTHERN-GROWN SEED POTATOES

**SPECIAL NOTICE.**—This year Seed Potatoes are very scarce and **FIRST-CLASS** stock will be hard to get. Our stock will be the same as in former years—pure and of the finest selection.

Standard varieties of Seed Potatoes weigh 165 pounds to the bag. Plant 10 bushels to the acre. Finest select stock.

**Holmes' Improved Early Ohio.**—This grand strain of the old reliable Early Ohio is, without doubt, the earliest and most productive variety.

**Irish Cobbler.**—One of the best extra-early varieties. Very large, white and heavy cropper; of excellent quality. Earlier than the Ohio.

**Vermont Gold Coin.**—Excellent flavor; small shallow eyes, thin skin, fine-grained flesh; shape slightly oblong, rather broad and thick through. The strong-growing quality and exceptional productiveness make it the best Potato for general crop.

**AS THESE PRICES ARE MADE EARLY, THEY ARE SUBJECT TO CHANGE WITHOUT NOTICE**

**Improved Early Rose.**—Pure and genuine.

**Maine Rose.**—The best variety of the rose type.

**Early Harvest.**—An unusually heavy yielder.

**Early Fortune.**—Is very productive and early.

**Quick Crop.**—Very early vigorous grower.

**Sir Walter Raleigh.**—New, valuable variety, late.

**Rural New-Yorker.**—The tubers are large, late.

**Carman No. 1.**—Finest second early Potato, late.

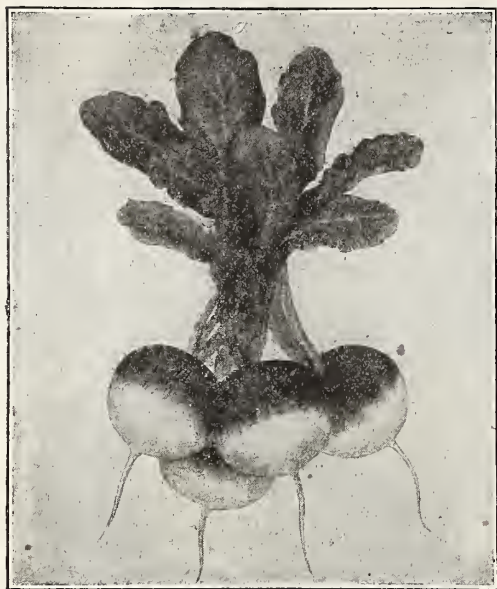
**Carman No. 3.**—Best late sort; yields heavily, late.

**White Elephant.**—Very large and late; excellent variety.

**WRITE FOR PRICES**







Sparkler, or White Tip Scarlet Turnip Radish



White Strasburg Summer Radishes



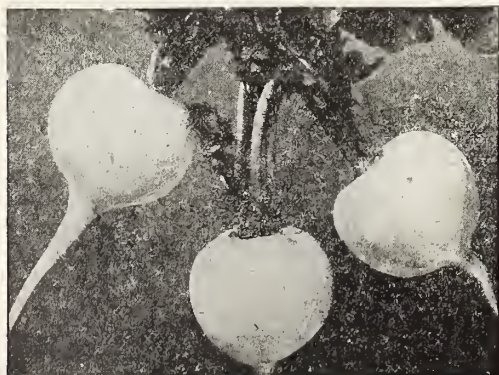
Icicle Radish (from a photograph)



Early Scarlet Turnip Radish



Holmes' Royal Red Forcing Radish



Felton's White Box Radishes



Holmes' Scarlet Globe Radishes



# RADISHES

Radles Ravenello  
Rzodkiew

Our stock of Radishes is French-grown. Being sown in beds and transplanted, we are positive of having straight sorts.

**Culture.**—Radishes delight in light, rich, mellow soil, and to be crisp and tender must make rapid growth. For very early use, sow in a gentle hotbed in January, and continue sowing every two weeks until September, in drills 10 inches apart, thinning plants to 2 inches apart. Sow winter Radishes in midsummer and take up before severe frosts and store in sand or earth in a cool cellar. One ounce will sow 100 feet of drill; 10 pounds in drills will sow an acre.

## WHITE STRASBURG SUMMER

This variety is now the most popular summer Radish. Both skin and flesh are pure white, almost transparent, and of a delightful, pungent taste. It can be pulled five weeks from time of sowing, yet it will continue to grow without losing its fine quality and remains tender longer than any other summer sort. See illustration.

### SPECIALTY

### VICK'S EARLY SCARLET GLOBE

The roots of this Radish are slightly olive shaped; a rich, bright scarlet in color; flesh tender and white. It is fit to pull among the very earliest and is much larger than most of the extra-early Radishes. We especially recommend this to gardeners whose market demands a large, first-early, forcing Radish.

## EARLY LONG SCARLET SHORT TOP IMPROVED

This variety is a standard and excellent sort for private gardens or the market. The roots grow half out of the ground, are very uniform in shape, smooth and very bright red in color, and continue crisp and tender until fully matured, when they are about 6 inches long. This is the variety grown so extensively in Petite Cote, Ontario, where the finest Radishes in America are produced.

### SPECIALTY

### EARLY SCARLET TURNIP WHITE-TIPPED

Or Coopers Sparkler

Handsome; a little later than the extra-early forcing Radishes, but will give entire satisfaction where extreme earliness and small top are not the chief consideration. Roots slightly flattened on the under side; color very deep scarlet with a distinct white tip; flesh white and of the best quality; fine flavored, crisp, juicy, solid, and with never a hint of pithiness. This is an excellent variety, both for home and market purposes.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.05	.15	.50	1.50

### SPECIALTY

### NEW WHITE ICICLE

The finest flavored quick-growing Radish now in cultivation

We have no hesitancy in saying it is one of the finest long, white, forcing radishes known. The name is derived from the almost transparent whiteness of the root, which has no comparison among all existing Radishes. Leaves are short; taste is exceedingly fine. If well cultivated, Icicle produces its 3½ to 4-inch cylindrical roots within 22 days from date of sowing. This means the acme of crispness. We find that for successive planting Icicle succeeds as well in midsummer as when sown early; even in an advanced state it retains its fine flavor, never becoming woody. See illustration.

### SPECIALTY

### HOLMES' ROYAL RED FORCING

Best for forcing in or out doors; quick grower; makes Radishes in three weeks. Globe-shaped; deep red; crisp and tender; tops small. The beautiful color and shape of this Radish make it a very attractive table relish.

### SPECIALTY

### GIANT FORCING

For Forcing or Open-Ground Culture  
A Variety for Market Gardeners

### CRIMSON RADISH

A new Early Turnip Radish, double the size of any of the early turnip-shaped type. This variety develops to 6 and often 7 inches in circumference, weighing up to an ounce per bulb, or about four times the weight of similar sorts; but notwithstanding its immense size, does not get hollow or pithy, the flesh remaining sparklingly white, solid, crisp and juicy, and of the mildest flavor. The shape of the bulb varies between round and almost oval, but the bright, deep crimson color of the skin remains quite constant. Excellent, both for forcing and open-ground culture.

## FELTON'S MODEL WHITE BOX RADISH

Felton's Model possesses all the excellent qualities of the old Philadelphia White Box, but is superior in being much handsomer and earlier, with fewer and shorter leaves; hence it can be sown more thickly in the row, enabling the grower to raise at least one-third more Radishes in the same space under glass, in boxes or open ground.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.05	.15	.50	1.50

## EARLY ROUND, or TURNIP-SHAPED RADISHES

**Early Round Dark Red.**—Rich, dark red; medium; uniform.

**Early Scarlet Turnip.**—Medium; bright scarlet; mild flavor.

**SCARLET BUTTON.**—Small; round; bright scarlet, white tip.

## EARLY OLIVE AND OVAL-SHAPED

**French Breakfast.**—Oval; bright scarlet; white tip; dainty on the table.

**HOLMES' DAINTY FORCING.**—Three weeks; sweet, tender and crisp; olive shaped.

**Scarlet Olive Shaped.**—Half long; bright scarlet; flesh white; excellent for market.

**Surprise.**—Earliest yellow; fine for early or summer.

**White Olive Shaped.**—Similar to Scarlet olive shaped.

**Yellow Olive Shaped.**—Second early; skin golden yellow; tender.

## EARLY LONG

**Cincinnati Market, or Glass.**—Long, scarlet, straight; small top.

**Long Brightest Scarlet.**—Scarlet; tipped white; mild flavor.

**Long White Vienna, or Lady Finger.**—Mild and tender.

**PEARL FORCING.**—Skin pure white; very early; resembles Vienna.

**Wood's Early Frame.**—A favorite for frame culture.

## SUMMER AND AUTUMN

**CHARTIER.**—Summer Radish; long; large; handsome; flesh white; delicious.

**Giant White Stuttgart.**—Turnip-shaped summer Radish; tender, mild.

**Half-Long Deep Scarlet, or Paris Beauty.**—Bright; crisp; flesh.

**White Summer Turnip.**—A flat, round, early summer Radish.

## WINTER

**California Mammoth White.**—A favorite winter Radish.

**Long Black Spanish.**—A leading winter variety; excellent keeper.

**Rose China Winter.**—Skin rosy red; flesh white and firm.

**Round Black Spanish.**—Roots round; skin black; flesh white.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.05	.15	.35	1.25

## WHITE CHINESE, or CELESTIAL RADISH

Never has a winter Radish won so much favor, and indeed it is worthy of all the praise given it. Mr. Austin G. Rupp has been growing this variety for some years and gets very high prices in market for the Radishes. So valuable did he consider it that for years he thought it policy not to tell his neighbors the name of the Radish. The true stock of this variety is stump-rooted, as will be seen in the photograph, and although a winter Radish, it can also be grown in late summer, as were those photographed and shown in our illustration. The flesh is firm, solid and pure white. It keeps all winter in prime condition and is of mild flavor.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.05	.15	.50	1.75



# RHUBARB, or PIE PLANT

Rhabarber  
Rababarbo

Rhubarb, also known as Pie Plant, or Wine Plant, is the earliest spring vegetable and is grown for its leaf stalks, which are extensively used for pies and sauce.

Rhubarb succeeds best in deep, somewhat retentive soil and the richer this is and the deeper it is stirred, the better. Sow in drills an inch deep and thin out the plants to six inches apart. In the fall transplant into very highly manured and deeply stirred soil, setting them four to six feet apart each way and give a dressing of coarse manure every spring. The stalks should not be plucked until the second year. When a blossom stalk appears, it should be cut back well into the ground and the plant never allowed to exhaust itself by running to seed. Our seed is saved from selected plants of the Linnaeus, Victoria, Giant and other improved sorts, but like the seeds of fruit trees, rhubarb seed can not be relied upon to reproduce the same varieties.

**Roots**—by mail, prepaid, 15c each; by express or parcel post, not prepaid, \$1.25 per dozen.

**Victoria**.—A very large, thick, red-stalked late variety of fine quality.

Price of above	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.40	1.25
Roots	Each	Doz.	100	1,000
	.15	1.00	5.00	38.00



Mammoth White Bush Scallop Squash



Improved Hubbard Squash



Giant Summer Crookneck Squash

## SQUASH

Kurbisz Zucca  
Miekuzr

**Culture**.—The squash is one of the most nutritious and valuable of garden vegetables. The summer varieties come to the table early in the season, while the fall and winter sorts can be had from August until the following spring. The winter varieties are very well adapted for stock feeding, and we heartily recommend them for that purpose.

Squash plants are very tender and sensitive to cold and so planting must be delayed until settled warm weather. General methods of culture are the same as for cucumbers and melons, but the squash is less sensitive to unfavorable conditions of soil. Summer varieties should be planted four to five feet apart each way, and winter sorts eight to twelve. Three plants are sufficient for a hill. In gathering the winter sorts care should be taken not to bruise or break the stem from the squash, as the slightest injury will increase the liability to decay. Winter squashes should be stored in a moderately warm, dry place and the temperature kept as even as possible. For those who desire very early squashes, seed can be planted in boxes, and transplanted.

Insect pests that attack the vines when small, such as the striped beetle, may be kept off by frequent dustings with air slaked lime, tobacco dust, soot or sifted ashes diluted with fine road earth. For the large squash bug, a good remedy is a kerosene emulsion. Probably the most effective way is to place a small piece of board, about 4 x 12 inches, on the ground near the plant. Towards evening or early in the morning the bugs may be gathered from under the boards and destroyed.

**Boston Marrow**.—Fall and winter variety; large, oval form; skin thin, bright orange, with netting of light cream-color, flesh rich salmon-yellow, fine grained, excellent flavor.

**Fordhook**.—Early; sweet; dry; good summer variety; oblong.

**Golden Custard, or Yellow Bush** (Cymlin).—Mammoth scalloped bush; extra quality.

**Golden Hubbard**.—A true Hubbard, except in color, which is bright red. Wonderfully productive, fruits weigh six to eight pounds; shell warty and strong; flesh deep orange to shell; cooks very dry; good-flavored.

**Improved Hubbard**.—One of the best winter Squashes; flesh bright orange-yellow, fine-grained, very dry.

**Mammoth White Bush Scallop**.—Fruit beautiful, clear waxy white; superior in size and beauty.

**Mammoth Yellow Summer Crookneck**.—Vine larger and stronger than the old Summer Crookneck, and producing fruit fully twice as large, deeper colored and with rough surface.

Price of above	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.40	1.25

## AUTUMN AND WINTER

**Delicious (Gregory)**.—Fine quality; excels any in flavor.

**Large Warty Hubbard**.—Large size; productive; hard, green, warty shell.

**Mammoth Chili**.—Often weighs 200 pounds; flesh rich, fine flavored.

Price of above	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.45	1.35

## SALSIFY (Vegetable Oyster)

Haferwurz  
Jarzynowa

**Culture**.—It succeeds best in light, well-enriched soil. Sow early and quite deep. The roots are perfectly hardy and may remain out all winter, but should be dug early in spring. One ounce for 75 feet of drill. Ten pounds to the acre.

**Large White**.—Common variety; medium-sized; smooth; flesh white.

Price of above	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.10	.35	1.25

**MAMMOTH SANDWICH ISLAND**.—Larger and less liable to branch than Large White.

Price of above	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.40	1.50

## SPINACH

Spinat  
Spinace

**Culture**.—Sow in early spring in drills a foot apart, every two weeks for a succession, and thin out for use. For fall use sow in August; for winter in September. Cover with straw or leaves in winter. Varieties prefixed (\*) may be sown in the fall for spring crop. One ounce will sow 100 feet of drill. Twelve pounds to the acre in drills.

**\*BLOOMSDALE or Norfolk Savoy**.—Fall planting; fleshy; curled; hardy.

**Giant Eskimo**.—New. A variety we imported from Japan; very large.

**LONG SEASON**.—Can be grown successfully in hot weather without going quickly to seed. Leaves are very dark green, and grow in a thick, rounded cluster; tender and succulent; remain fresh and crisp for a considerable time after cutting.

**Long-Standing**.—Excellent; compact; thick, fleshy, dark green leaves.

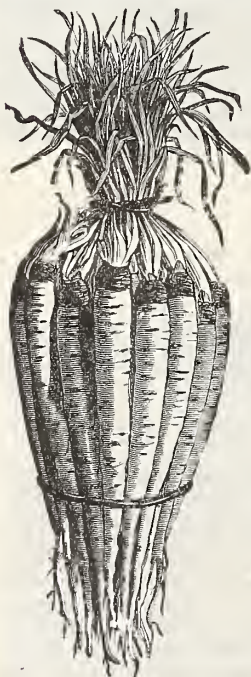
**New Zealand**.—Abundant; never cooks stringy.

**Round-Leaved**.—Thick, round, succulent leaves.

**\*Thick-Leaved**.—Produces large, thick, bright green, crumpled leaves.

**Victoria**.—Very heavy, broad, deep green leaves, crumpled.

Price of above	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.50	1.50



Sandwich Island Salsify



## TOMATOES

Liebesapfel    Pomo d'oro  
Pomidor

All our Tomato seeds are from seed stocks carefully selected. We challenge comparison with any offered.

Culture.—Tomatoes do best on light, warm, not overrich soil. Sow in hotbeds from six to eight weeks before they can be set out of doors; when the plants have four leaves transplant into shallow boxes or coldframes, setting them 4 to 5 inches apart. Set out of doors as soon as danger from frost is over. The fruit will be better in quality if the vines are tied to trellis or stakes.

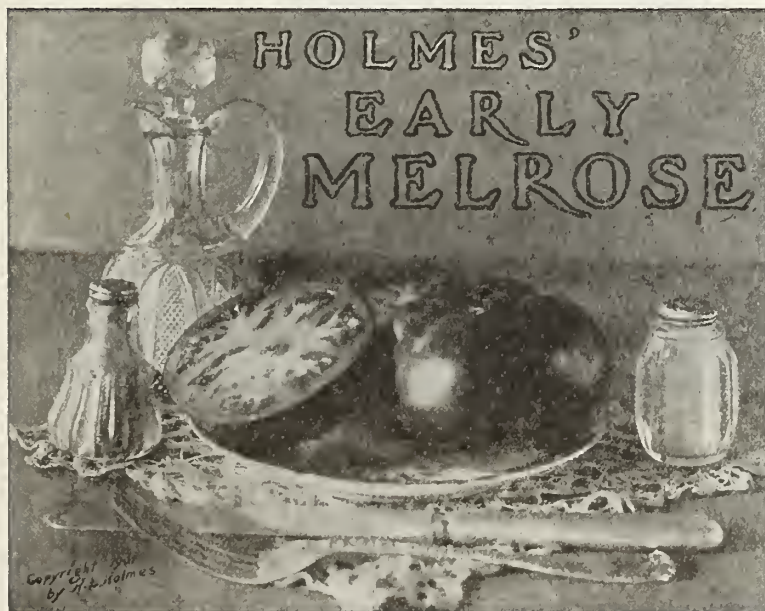
One ounce for 1,500 plants,  $\frac{1}{4}$  lb. for an acre.



Holmes' Everbearing Tomato. Full description see page 34.



Livingston's Globe Tomato



Beefsteak or Crimson Cushion Tomato



Stone Tomatoes



# TOMATOES

## SPECIALTY

### BEEF STEAK, or CRIMSON CUSHION

#### THE VERY BEST LARGE-FRUITED BRIGHT CRIMSON TOMATO

The Crimson Cushion is well worthy of its name; in beauty of coloring and symmetry of form, it is indeed without a peer. The vines are of strong, vigorous growth, well set with fruit; the foliage is very rich dark green in color. The fruits are of the largest size, which size is maintained throughout the season.

**ENORMOUS.**—Most large Tomatoes grow rough and of bad shape for slicing, but these giants are smooth, round, solid and with few seed. A standard main-crop Tomato of great size. "Everybody is buying it."

## SPECIALTY

**"EARLY BONNY BEST."**—Nearly as early as Earliana; color intense scarlet and ripening even up to the stems; round and slightly flattened at the stems. Of good size and uniform. Good for early, medium and late crop.

**CHALK'S EARLY JEWEL.**—One of the best for main crop. Bright scarlet; very solid; fine flavor.

**Crine's June Pink.**—Extra early; fruit smooth, about 3 inches in diameter, almost round; flesh solid; finely flavored; free from acidity.

**DWARF CHAMPION.**—Early; prolific; smooth; medium-sized; pinkish-purple.

**Livingston's Coreless.**—Bright red; immense clusters; mild acid flavor.

**LIVINGSTON'S DWARF STONE.**—Resembles Livingston's Stone in color and shape. Specimen fruits weighing 1 pound are common. More productive and as early as New Dwarf Stone.

**LIVINGSTON'S NEW GLOBE.**—Globe-shaped; early; large size; smooth; firm-fleshed; color glossy rose, tinged purple; very delicate.

**MATCHLESS.**—Fruit large, smooth, free from core; rich cardinal red.

**Ponderosa.**—The largest Tomato of all.

**SPARK'S EARLIANA.**—Remarkable for earliness; large size; handsome shape and bright red color; solid; fine quality.

**STONE.**—Fruit round, apple-shaped; very large; deep red; heavy.

**Trophy.**—Extra selected; an old favorite.

**Truckers' Favorite.**—Reddish-purple; fleshy; vines strong and vigorous. **Yellow Plum, Yellow Pear, Red Pear.**—For preserving.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.05	.35	1.00	3.50

## NOVELTY

### HOLMES' EVERBEARING TOMATO

#### THE EARLIEST, LARGEST, MOST PROLIFIC AND MEATIEST RED TOMATO GROWN

This wonderfully prolific new Tomato was introduced by Holmes Seed Co., of Harrisburg, and was illustrated in one of the Harrisburg daily papers, July 20, 1912. The illustration is from a photograph of one stem bearing 17 fine large fruits, and weighing 7¼ pounds. The clusters will average 15 fine, large, red or scarlet Tomatoes, and the beauty of it is that they all run about the same size and absolutely free from the acidic taste so common in most varieties. The seed-cavities are exceedingly small, and we believe it to be the meatiest Tomato grown. This Tomato combines all the good qualities of each parent—earliness of the Earliana, size from Ponderosa, and color and smoothness of the Stone.

Price of originator's own stock.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.10	.75	2.25	7.50

**ACME.**—Early; medium sized; smooth; solid; prolific; purplish pink.

**BEAUTY.**—Early; prolific; medium sized; smooth; solid; purplish red.

**Buckeye Staté.**—Large; solid; meaty; deep purple; heavy cropper.

**CUMBERLAND RED.**—Color bright red; medium early.

**Favorite.**—Large; solid; smooth; bright scarlet; ripens evenly.

**Golden Queen.**—Large; handsome form; beautiful clear yellow color.

**Early Paragon.**—Bright red; standard for market and canning.

**Perfection.**—Smooth, tough skin of brilliant scarlet; solid, rich flavor.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.05	.30	.85	3.00

# TABLE TURNIPS

Weisse Rube

Ravone

One ounce for 100 feet;  
2 pounds to the acre

Rzoper Cruklew

For feeding stock in fall and winter there is nothing superior to Turnips and Rutabagas, as they are much liked by all kinds of stock and serve to keep them in good condition. We can not too earnestly recommend farmers to increase their sowings largely, for we are sure the crop will prove remunerative.

This wholesome and agreeable vegetable is most easily affected in its form and flavor by soil, climate and mode of culture. There are a great many varieties, but our list comprises the best for the garden or farm.

Sow in drills about two feet apart and half an inch deep, or sow broadcast, but in either case be sure to have the ground rich and freshly stirred. Be careful to weed and thin out, so the young plants will not be checked and injured. Any overcrowding will result in rough and poorly flavored roots. It is important to get the spring and summer crops started very early so that the Turnips may have time to grow to sufficient size before hot weather causes them to become tough and bitter.

In the Middle and Western States sow for fall and main crop from middle of July to last of August, and in the manner given for spring sowing. In the field, Turnips are often sown broadcast, though in most cases better results are obtained by drill culture.

To preserve Turnips in good order for winter, store in a cool cellar and cover with sand or turf to keep them fresh. Another method is to put them in a pit dug in dry soil where there will be no danger of water standing, and to cover with straw overlaid with earth sufficiently deep to keep out frost. Thus protected, Turnips will keep well till spring.

## WHITE-FLESHED VARIETIES

**Cow Horn, or Long White.**—Carrot-like in form, slightly crooked. Delicate and well flavored; valuable as a market sort for fall and early winter, also for turning under.

**EARLY PURPLE-TOP STRAP-LEAVED.**—Early; favorite for table use; medium size; flesh white.

**Early White Flat Dutch.**—Standard early, white flat Turnip.

**Extra-Early Purple-Top Milan.**—All in all, these Milan Turnips leave little to be desired in the way of an extra-early garden Turnip.

**PURPLE-TOP WHITE GLOBE.**—Nearly as large as Pomeranian White Globe; white flesh; excellent, equally desirable for table or stock.

**White Egg.**—Oval or egg-shaped; firm; mild, sweet and very tender.

**White Globe.**—Globe-shaped; early, mild and tender.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.20	.60	2.00

## YELLOW-FLESHED VARIETIES

**Golden Ball, or Orange Jelly.**—Medium size.

**Purple-Top Yellow Aberdeen.**—Large, globe-shaped.

**YELLOW, or AMBER GLOBE.**—Yellow-fleshed; globe-shaped; large.

# RUTABAGA (RUSSIAN, or SWEDISH TURNIP)

Two to three pounds to acre

**Improved American Purple Top.**—Old popular standard; rich flavor

Pkt.	Oz.	¼ Lb.	Lb.
.05	.20	.60	2.00

# SWEET, POT AND MEDICINAL HERB SEEDS

No garden is complete without a few Herbs for culinary or medicinal purposes. These should be harvested on a dry day, just before they come into full bloom, then dried quickly and packed closely, excluding the air.

<b>Anise</b> (Grüner Anis). For garnishing, cordials and flavoring.....	Pkt., .05; Oz., .10; ¼ Lb., .25; Lb., .90
<b>Balm</b> (Citronen-Melisse). For tea and balm wine; useful in fevers.....	Pkt., .05; Oz., .20; ¼ Lb., .60; Lb., 2.00
<b>Basil, Sweet</b> (Basilikum). Used for soups, stews and sauces.....	Pkt., .05; Oz., .20; ¼ Lb., .60; Lb., 2.00
<b>Caraway</b> (Feld Kümmel). Used in confectionery, cakes and medicine.....	Pkt., .05; Oz., .10; ¼ Lb., .25; Lb., .90
<b>Coriander</b> . For garnishing; seeds are aromatic, used for flavoring.....	Pkt., .05; Oz., .10; ¼ Lb., .25; Lb., .75
<b>Dill</b> . Aromatic seeds, used in pickles, preserves, soups, and flavoring.....	Pkt., .05; Oz., .10; ¼ Lb., .25; Lb., .75
<b>Fennel</b> (Fenchel). Leaves used for fish sauces and garnishing; seed in confectionery and for flavoring liquors.....	Pkt., .05; Oz., .10; ¼ Lb., .25; Lb., .75
<b>Horehound</b> . For tonic and cough.....	Pkt., .05; Oz., .15; ¼ Lb., .40; Lb., 1.50
<b>Lavender</b> (Lavendel). Popular aromatic herb; delightful perfume.....	Pkt., .05; Oz., .35; ¼ Lb., 1.00; Lb., 3.50
<b>Marjoram, Sweet</b> (Marjoram). Used for seasoning.....	Pkt., .05; Oz., .20; ¼ Lb., .75; Lb., 2.50
<b>Sage</b> (Salbei). Leaves used in dressings and sauces.....	Pkt., .05; Oz., .20; ¼ Lb., .60; Lb., 1.60
<b>Savory, Summer</b> . Used for seasoning, flavoring soups and dressings.....	Pkt., .05; Oz., .15; ¼ Lb., .40; Lb., 1.50
<b>Savory, Winter</b> (Bohnenkraut). Leaves used for flavoring.....	Pkt., .05; Oz., .25; ¼ Lb., .75; Lb., 2.50
<b>Thyme, Broad Leaved</b> (Thymian). Used for seasoning; also as bee food.....	Pkt., .05; Oz., .40; ¼ Lb., 1.25; Lb., 4.00





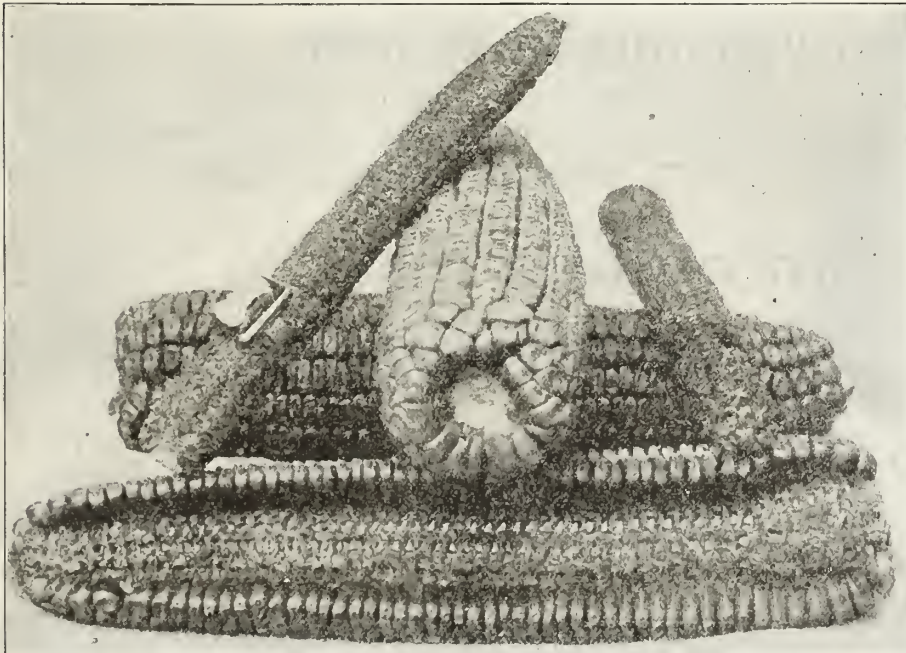
## EXTRA SELECTED FARM SEEDS

Fully realizing the great importance of supplying the farmer with the highest quality of Farm Seeds, we have given this branch of our business special study, exercising the greatest care in growing and securing seed of the highest standard in purity and quality—fully matured, plump, sound, fresh and clean. The care exercised in selecting our seeds has given Holmes' Field Seeds an enviable reputation and today our house is recognized as headquarters for the most reliable field and grass seeds.

### HOLMES' EARLY GOLDEN SURPRISE CORN

#### 90-DAY FIELD CORN

THIS REMARKABLE VARIETY IS INCOMPARABLE IN SOLIDITY, UNIFORMITY, DEVELOPMENT OF THE TIP AND BUTT, EXTRA-ORDINARY YIELD AND SMALLNESS OF COB



Holmes' Early Golden Surprise

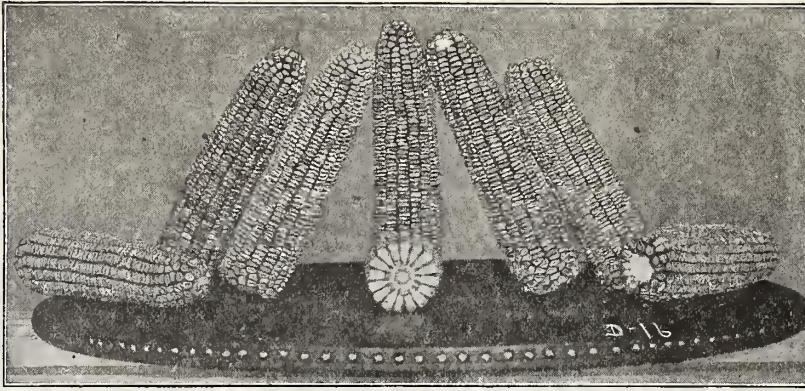
No other Corn has given such universal satisfaction as our Early Golden Surprise. Its prepotency and power of reproduction is so great that neither wet nor dry weather noticeably influences its growth and maturity. Unapproachable as a yielder, it withstands the harshest weather and when shelled this Corn produces a superior quality on account of extreme smallness of cob and depth of grain. The cobs are so small that many may be encased in an ordinary finger ring, as seen by our illustration. The grains are of a rich golden color, very deep, and profitable on account of small percent of waste of cob. The cob is so small that 35 pounds of ears produced 31½ pounds of shelled Corn. The Corn is a vigorous grower, with short, strong stalks and an abundance of deep green foliage, which makes it an excellent fodder Corn. It matures uniformly in 90 days from planting, and all points considered it is the best field Corn in cultivation. Golden Surprise is the greatest money earner yet introduced to the American farmer. There can be nothing of greater importance to him than to increase the yield and feeding value of Corn. Early Golden Surprise will give that result. Lge. Pkt., by mail, postpaid, 10 cts., lb. 30 cts., 3 lbs. 70 cts., by freight or express, not prepaid, lb. 20 cts., peck \$1.00, ½ bushel \$1.75, bushel \$3.50, 2-bushel sack \$6.25.

The past season when other varieties failed to grow, Golden Surprise gave excellent results. Our customers report that every grain grew.

**Special Notice:** We are compelled to make prices in advance on Field Seeds given in the following pages

THESE PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE





Reed's Golden Dent Seed Corn

The stalk is rather light, short and well developed. The foliage is abundant. The well-developed roots and strong, wiry stalks enable it to stand up well, even during windy seasons. When mature, the husks are loose, dropping away from the ear. Considering the size of the ear it is a surprisingly good yielder, due to the fact that a great many of the stalks bear two ears. Its rich golden color and fine quality of grain make it superior for grinding into meal. It is perfect in every respect. Pkt. 10 cts., lb. 25 cts., by mail, postpaid; by freight or express, lb. 20 cts., peck \$1.00, bushel \$3.00.

## IMPROVED MASTODON

OUR FAMOUS ENSILAGE CORN

Is a yellow Corn with white cap and red cob. The ears attain exceptional size, being from 9½ to 12 inches long and from 7½ to 8½ inches in circumference. Some of the ears retain a slight taper from butt to tip, but the large majority are very cylindrical. The ears weigh 11 to 18 ounces, having from 16 to 22 rows. The crown is slightly roughened, with rounding corners, the rounding corners giving a smoother appearance to the Corn than it really has. The kernels set very close together and have a fine large development of the germ. This Corn carries a large percent of oil and protein. We have obtained some striking results as to yield with the Improved Mastodon. Under ordinary conditions this Corn yields over 100 bushels an acre. The stalk is large and stiff, producing a great amount of luxuriant foliage, which, when cured, affords a very superior article of fodder. It stands about 10 feet high, the ear appearing 4 feet from the ground. It has come into such favor as an ensilage Corn that there is a great demand for it by dairymen throughout the country. It matures in 120 days and is recommended for any soil. Pkt. 10 cts., lb. 25 cts., 3 lbs. 60 cts., by mail, postpaid. By freight or express, lb. 20 cts., peck \$1.00, bushel \$3.00.



A Half Bushel of Improved Mastodon

## IMPROVED GOLDEN BEAUTY

HAS THE LARGEST GRAIN AND SMALLEST COB OF ANY CORN IN CULTIVATION

The productiveness of the Golden Beauty Corn is due to the economical shape of the ears and the fact that a large proportion of the stalks produce fine ears. It is the largest grained and handsomest golden yellow Corn we have ever seen. The ears are of perfect shape, with 10 to 14 straight rows. Cobs are unusually small; when broken in half the grains will reach across them. The richness of color and fine quality of grain make it superior for grinding into meal. We can guarantee this Corn to give good satisfaction wherever grown. Lb. 25 cts., 3 lbs. 60 cts., postpaid; by freight or express, peck \$1.00, bushel \$3.00.

## WHITE CAP DENT CORN

This combines the earliness and hardness of the Pride of the North, with ears of very large size. The stalks are stout, growing 6 to 7 feet in height, with abundant foliage. Ears of handsome appearance, 8 to 10 inches in length, well filled, having 16 to 18 rows of deep grains. The cob is small, grains being very deep and quite wide. The outer end of the grain is white, deeply dented, while the inner portion is a clear amber-yellow. The grains are flattened and set squarely on the cob and completely fill the entire surface of the ear. Choicest stock grown by the originator at prices quoted below. Lb. 25 cts., 3 lbs. 60 cts., postpaid. By freight or express, peck \$1.00, bushel \$3.00.

## GOLD STANDARD LEAMING CORN

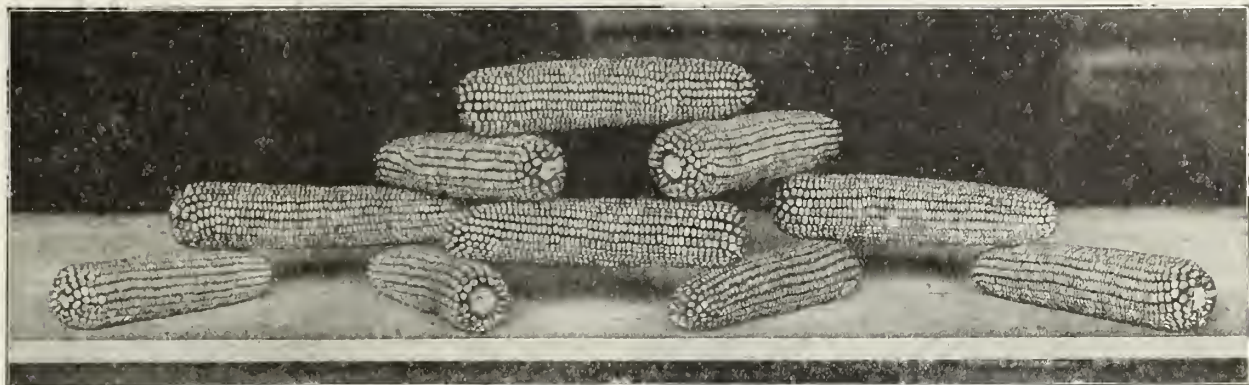
We have increased the size of ears and percentage of grain by breeding from tapering to cylindrical shape. We have also increased depth and roughness of kernel and feeding value by increase of protein and fat. The ears range from 9 to 11 inches long, 7½ to 8 inches in circumference, weighing 12 to 17 ounces. The stalks range from 9 to 12 feet in height, are well developed below the ear and slender above. They are very valuable for ensilage and thrive well on all soils where many other varieties fail. It is an immense yielder, producing, under favorable conditions, 100 bushels or more to the acre.

Prices same as White Cap Dent.



Group of Kernels showing Desirable and Undesirable Shapes. Nos. 3, 4, 5, 6 are fair to best shapes, while 1, 2, 7 and 8 are to be avoided





Holmes' Emperor Dent

## HOLMES' EMPEROR DENT

DECIDEDLY THE LARGEST AND BEST FIELD CORN IN CULTIVATION. ABSOLUTELY DROUGHTPROOF  
PENNSYLVANIA GROWN

Holmes' Emperor Dent, grown in Dauphin County, is the most productive of any field Corn that we know of. The stalks grow uniformly, from 10 to 12 feet high, with ears set rather low for such tall fodder, making it very easy for husking. It matures in about 90 days, and the large, handsome ears vary from 16 to 20 rows each, measuring 10 to 12 inches in length, the majority of them having 18 rows of deep, broad grains of a rich golden yellow color. It has a red cob, thus denoting its healthy character. The six points of merit of this magnificent new field Corn are: (1) It being an extremely heavy cropper. (2) Maturing in 90 days. (3) Its evenness in maturing, the ears all being about the same length, and a large proportion having two fully developed ears to each stalk. (4) It can be used for a silo corn, as the fodder grows very strong, which gives it a double advantage over ordinary field Corn. (5) It is one of the best yielders that we know of, producing from 125 to 150 bushels to the acre on fair soil. (6) For seed Corn, it will sell on sight, and farmers will make more money from this Corn than any we know of.

The illustration on this page is an exact reproduction from photograph of average ears. This Corn may be ground almost as soon as husked, as it dries very rapidly. This year we offer Holmes' Emperor Dent at the following prices: Pkt. 10 cts., lb. 25 cts., by mail, postpaid; peck \$1.25,  $\frac{1}{2}$  bushel \$2.00, bushel \$3.75, 2-bushel sack \$6.50, 10 bushels and over at \$3.00 per bushel, sacks included.

**Cuban Giant Mammoth Ensilage.**

\$1.00, bushel \$3.50.

**Red Cob Ensilage.**

the silo. Peck \$1.00, bushel \$3.50.

**Sugar Corn for Green Fodder.**

Has produced 70 tons of fodder to the acre and is one of the very best and most popular for Ensilage. The fodder is sweet, tender, juicy; grows 13 to 14 feet in height. Peck

A new variety of extreme merit. We highly recommend it as the heaviest cropping variety, producing from 50 to 75 tons per acre. The fodder is tender, sweet and juicy and grows 12 to 14 feet high. Unexcelled for

Best for early fall green feed. Very profitable for cattle. A favorite with dairy farmers, also excellent for silage. Peck \$1.00, bushel \$3.50.

## New Keystone Mammoth Pride Corn

Absolutely droughtproof. The most productive; bears largest ears and is absolutely droughtproof. The stalks grow uniformly about 10 to 12 feet high, with ears set rather low for such tall fodder, making it very easy for husking. It matures in about 115 days, and the large, handsome ears vary from 10 to 18 rows each, the most of them having 16 rows of deep grains, which are of a rich golden yellow color. It has a red cob, thus denoting its healthy character; cobs are remarkably small for such mammoth ears, being only  $1\frac{1}{4}$  inches thick. This grand new Corn can only be obtained from us. By express or freight, at purchaser's expense, peck \$1.00,  $\frac{1}{2}$  bushel \$1.75, bushel \$3.25.

## IOWA GOLD MINE

Ears of good size and symmetrical; a bright golden yellow; grain very deep; cob small, drying out quickly when ripe. From 70 pounds of ears, 60 to 62 pounds of shelled corn may be obtained. Early, and of the highest market value. Peck \$1.00, bushel \$3.00, bag of two bushels \$5.75.

**PRIDE OF THE NORTH.** Used in northern latitudes. Stalks short-jointed and leafy. Kernels are very deep, closely set on the ear. Qt. 25 cts., peck \$1.00, bushel \$3.25.

## VIRGINIA EUREKA ENSILAGE CORN

Has a record of 70 tons and 800 pounds of Corn grown on one acre. Enough to feed seven head of cattle for one year and enough left over for 261 days, feeding at the rate of 50 pounds per day.

This Corn was originated in Virginia about 25 years ago and has been grown on the same farms there for us ever since. It is the result of careful selection for many years from the old southern prolific Corn which often has five to eight ears on a stalk. This selection was made with the view of getting a larger ear and more foliage. It has been grown entirely away from other kinds and it is a distinct variety and a great improvement over any other Southern White Dent Corn.

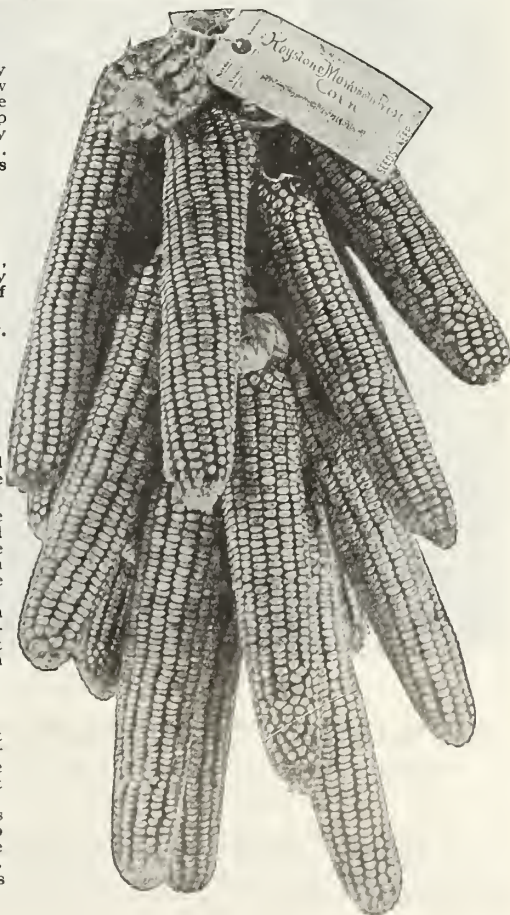
Corn has been offered by others under the name of Eureka, but it is simply the common Southern White that they are offering and at the time of cutting there will be as much difference as there is between Crosby and Stowell's Evergreen. Eureka is a Smooth White Dent Corn with short kernels, while many of the southern white varieties have the horse tooth kernels. Be sure and get the genuine.

### WHEN IS THE PROPER TIME TO CUT ENSILAGE?

As Corn is simply overgrown grass and everyone knows that grass should be cut when it is in the blossom, then Corn should be cut when it is in that same condition. Don't look for the ear; simply watch the tassel. It is better to cut Corn too early than too late. Mature ears should never be put in the silo. The grain bin is a much better place. The silo was not invented as a substitute.

**Eureka Corn** has a record of 70 tons and 800 pounds of green corn from one acre. This record was made by weighing one square rod taken from an acre which was first divided into four equal parts, and the weighing was done by three reliable disinterested parties. We have several estimates of even more than this and we believe that this record can be broken. Price,  $\frac{1}{2}$  peck 60 cts., peck \$1.10,  $\frac{1}{2}$  bushel \$2.00, bushel \$3.75, 2-bushel bag \$7.00, 10 bushels and over \$3.35 per bushel.

**NOTE**—Our stock is the genuine, being grown by one of the best growers in Virginia.





# Seed Oats

There is Big Money  
in Oats

IF YOU GROW THE RIGHT  
KIND

## The New Alberta Oats

In almost every line of agriculture today improvements have been made—better stock, better corn, better cotton, better alfalfa, better fruits and vegetables

of all kinds, all of which has been done by breeding. But it seems that oats, one of the most important crops and easiest to grow, has been left out until the last two or three years.

Of all the crops that grow on the great American continent nothing is so easily grown and as reasonably sure as a good crop of oats, if the right kind of methods are pursued. You can't raise good oats from poor, inbred seed any more than you can raise good cattle or pigs or good corn, unless you select the best. It is an absolute impossibility.

For many years we have made the growing of Seed Oats a specialty, importing our seed stock for our own use, from which we grew much of our seed, but in the progress of time we find many progressive farmers who want the best the world can produce, and as good as any seedsmen or seedhouse in America uses for growing their own stock.

## THE NEW ALBERTA

The cut bordering this page is a fine illustration of the head of the **New Alberta Oats**, except these were photographed below the average size and only shows the head  $\frac{1}{3}$  natural size.

These new Oats were introduced into the Alberta country only four years ago by emigrants who took their seed from Iowa, and were known at that time as the **Regenerated Swedish Select Oats**, but owing to the great success and results made and given they soon thereafter took the name of **New Alberta**, often yielding 125 to 140 bushels per acre and weighing out from 45 to as high as 52 pounds per measured bushel. Since their first introduction into Alberta they have been continually grown on new, clean virgin land, free from weeds, located in the greatest Oats producing country in the world, which produces these vigorous hardy Oats—Seed Oats that is full of life and vigor that will easily make you a yield of three times as much as common ordinary varieties.

The **New Alberta** is of strong, stiff straw; stands up well on rich ground, as near rustproof as any Oats in existence; ripens medium early, two or three weeks ahead of late varieties, and is the all-round best variety and quality of Oats to be found anywhere.

Price, at purchaser's expense, by express or freight, peck 75 cts.,  $\frac{1}{2}$  bushel \$1.35, 1 bushel \$2.50, 2 to 4 bushels \$2.35, 10 bushels and over \$2.25.

NOTE—Our Oats are direct from the Alberta country. You can rely on securing the genuine seed if purchased from us.

## Long's Improved White Tartar

Direct from the new importation. Outyields nearly all others and is the very best for all-round purposes. Earliest variety grown, with long straw, usually averaging 4 to 5 feet, and rustproof. Succeeds well on all soils. Golden-yellow color. Grains white with golden cast. Withstands stormy weather without lodging or falling off of grains. A measured bushel weighs 42 pounds. Lb. 25 cts., 3 lbs. 65 cts., postpaid. By freight or express, peck 75 cts., bushel of 32 lbs. \$2.50, 2 bushels \$2.25, 10 bushels \$2.10 per bushel, 20 bushels and over \$2.00 per bushel. Bags holding  $2\frac{1}{2}$  bushels 25 cts. each, extra.

## Long's Storm King

Mr. Isaac Long, a successful, scientific and widely known farmer, imported this remarkable Oats from Tartary. We have named it Long's Storm King because it stood up completely and perfectly during very heavy storms the month preceding oats harvest. It was then 4 to 6 feet tall. It yielded over 100 bushels to the acre, and weighed 45 pounds to the measured bushel—clean and bright, no smut. There were 100 to 250 grains to each head. Greatest drought-resister known, and Mr. Long's crop shows it is the greatest yielder ever brought here. The illustration shows Mr. Long holding a small sheaf. Note the wonderful length of the straw and heaviness of head. Lb. 35 cts., 3 lbs. 75 cts., postpaid.

Long's Storm King Oats

By express or freight, peck 75 cts., bushel of 32 lbs. \$2.50, 2-bushel sack \$4.50, 10 to 20 bushels \$2.00 per bushel, 21 to 50 bushels \$1.90 per bushel. Bags holding  $2\frac{1}{2}$  bushels 25 cts. each, extra.

Remember, we have the originator's stock and offer this from the original importation.

MRS. J. M. IRVINE, Loysville, Pa., writes: "We have been selecting seed from your seed book for several years and always were well pleased with the seed bought of you and found them the cheapest in the end, because they always grow and prove to be just as you represent them."

BENJ. G. WENGER, Murrell, Pa., writes: "Enclosed find our order for seeds. We have ordered seeds from you for several years and have always found them very satisfactory."



# Holmes' Superior Recleaned Clover Seeds



Alfalfa, or Lucerne

**Note.** The prices of some varieties of Clover, Grass and Field Seeds may change as the season advances. Prices now given are those prevailing when this catalog was published. It will be to advantage of intending purchasers to write for samples and special prices before ordering in large quantities.

**Alfalfa** (*Medicago sativa*), also known as Lucerne and Chili Clover. One of the most valuable forage or pasture grasses, being very nutritious, both as a green feed and as hay. It requires moist land or frequent irrigation and often bears from five to six crops of hay a year. It does well in almost any climate and improves any soil that is sown with it. A good stand of it will choke out and practically kill wild morning-glory. Prepare the land by deep plowing and thorough harrowing, and sow 17 to 25 pounds per acre broadcast and harrow it. Alfalfa seed is graded by the amount of dead matter and the percentage of weed seeds it contains. The very worst weed is dodder, which infests seed grown on low lands. Dodder is a yellow parasitic plant with abundant stems but no leaves; the roots live on the alfalfa plant and quickly kill it. A little thought will show that Alfalfa which contains no dodder is worth several cents a pound more than Alfalfa which contains this weed. Our Alfalfa is grown out of the state on high land, and is dodder-free. Lb. 30 cts., 3 lbs. 75 cts., postpaid. Price per bushel on application.

**RED MEDIUM CLOVER.** This is the common Red Clover so largely grown throughout the country. Lb. 30 cts., 3 lbs. 75 cts., postpaid. Price per bushel on application.

**MAMMOTH, or PEA-VINE CLOVER.** This grows much taller, with larger, leafier stalk, and large, slightly-pointed leaflets. Lb. 30 cts., 3 lbs. 75 cts., postpaid. Price per bushel on application.

**WHITE DUTCH CLOVER.** The best variety for lawns; valuable in permanent pastures. Lb. 45 cts., postpaid. Price per bushel on application.

**Alsike, or HYBRID CLOVER.** The hardest of all, sometimes called Giant White Clover. It is a perennial, therefore adapted for permanent pastures or for hay crop. Never heaves or throws in the winter; thrives equally well on wet or dry soil, through extreme droughts or excessive rains; grows on clover-sick land and yields a heavy bulk of herbage where no other Clover succeeds. Its superior pasture is much liked by cattle. Blossom-heads round; flesh-colored; sweet and fragrant; much liked by bees. Sow 10 to 20 pounds per acre in spring or fall. Lb. 35 cts., postpaid. For larger quantities write for prices.

**Crimson, or SCARLET CLOVER.** An annual variety providing large crops of green forage, or, if cut while in bloom, will make excellent hay. As a green manuring crop for grain, fruit or trucking crops, it gives the very best results, while for improving poor land it has few equals. It succeeds on every kind of soil, standing southern suns and northern winters, and is now grown largely in Delaware, Maryland, New Jersey, Pennsylvania, Virginia, and has succeeded in every state where tried. Sow 15 pounds to the acre from July to September. Lb. 25 cts., 3 lbs. 60 cts., postpaid. For larger quantities write for prices.

# Holmes' Superior Recleaned Grass Seed

All prices on Grasses subject to change. Write for special quotations

	By Freight or Express
	Lb. 100 lbs.
<b>AWNLESS BROME GRASS</b> ( <i>Bromus inermis</i> ). Will stand long droughts and produce heavy crops in dry sections. Especially desired for permanent pasture. (14 lbs. per bu.)	
<b>CANADA BLUE GRASS</b> ( <i>Poa compressa</i> ). Useful for sowing on hard clay and poor soils. (14 lbs. per bu.)	
<b>CREeping BENT GRASS</b> ( <i>Agrostis stolonifera</i> ). Excellent for lawns; thrives on moist lands. (Bu. 20 lbs.)	
<b>CRESTED DOG'S TAIL</b> ( <i>Cynosurus cristatus</i> ). An excellent grass for hard, dry soils; valuable for pastures and lawns. (21 lbs. per bu.)	
<b>ENGLISH RYE GRASS</b> ( <i>Lolium perenne</i> ). Nutritious, vigorous; for meadow and pasture. (Bu. 24 lbs.)	
<b>HARD FESCUE</b> ( <i>Festuca duriuscula</i> ). One of the most desirable dwarf grasses, excellent for dry soils and shady places. (12 lbs. per bu.)	
<b>ITALIAN RYE GRASS</b> ( <i>Lolium Italicum</i> ). A valuable European variety, adapted to any climate and produces large and nutritive crops. (18 lbs. per bu.)	
<b>KENTUCKY BLUE GRASS</b> ( <i>Poa pratensis</i> ). Well known and extensively grown in all parts of the country; used for lawns. (14 lbs. per bu.)	
<b>MEADOW FESCUE</b> ( <i>Festuca pratensis</i> ). Fine permanent pasture; heavy and nutritious. (Bu. 22 lbs.)	
<b>MEADOW FOXTAIL</b> ( <i>Alopecurus pratensis</i> ). One of the earliest and best pasture grasses; grows rapidly when cut or eaten down by stock. (7 lbs. per bu.)	
<b>ORCHARD GRASS</b> ( <i>Dactylis glomerata</i> ). A valuable pasture grass, adapted for growing in shady, moist places under trees, etc. (14 lbs. per bu.)	
<b>PERENNIAL RYE</b> ( <i>Lolium perenne</i> ). Nutritious; for meadow or permanent pasture. (Bu. 20 lbs.)	
<b>RED, or CREEPING FESCUE</b> ( <i>Festuca rubra</i> ). Valuable for lawns. (14 lbs. per bu.)	
<b>RED TOP GRASS</b> ( <i>Agrostis vulgaris</i> ). Valuable for either pastures or lawns. (14 lbs. per bu.)	
<b>RHODE ISLAND BENT GRASS</b> ( <i>Agrostis canina</i> ). Valuable for either pastures or lawns. (14 lbs. per bu.)	
<b>ROUGH-STALK MEADOW GRASS</b> ( <i>Poa trivialis</i> ). Excellent for pastures and meadows, particularly on damp soils. As a lawn grass it forms a fine turf and does well in shaded locations. Sow 20 lbs. per acre.	
<b>SHEEP'S FESCUE</b> ( <i>Festuca ovina</i> ). Excellent for sheep pasture; 6 to 10 inches high. (Bu. 12 lbs.)	
<b>SWEET VERNAL, TRUE PERENNIAL</b> ( <i>Anthoxanthum odoratum</i> ). It should be sown in connection with other grasses for pastures or lawns. (10 lbs. per bu.)	
<b>TALL MEADOW OATS GRASS</b> ( <i>Avena elatior</i> ). This is a valuable variety for pastures. (10 lbs. per bu.)	
<b>TALL FESCUE</b> ( <i>Festuca elatior</i> ). Early, nutritive and productive in permanent pastures on wet or clay soils. On moist lands yields a large amount of good hay. Height 3 to 4 feet. Not suitable for lawns. Sow 40 lbs. per acre. (14 lbs. per bu.)	
<b>TIMOTHY</b> ( <i>Phleum pratense</i> ). A variety producing a profitable hay crop in almost any soil. One-half bushel per acre. Our seed is free from weed seeds and of high germinating power. (45 lbs. per bu.)	
<b>VARIOUS-LEAVED FESCUE</b> ( <i>Festuca heterophylla</i> ). A perennial grass suitable for cold, moist soils in which it will yield heavily. Valuable in permanent meadows, either for mowing or grazing. Height 2 to 3 feet. As a lawn grass it is valuable, especially for shaded places. Sow 40 lbs. per acre. (Bu. 12 lbs.)	
<b>WOOD MEADOW GRASS</b> ( <i>Poa nemoralis</i> ). A very productive grass, adapted for lawns or pastures. Thrives well under trees. (14 lbs. per bu.)	



Timothy

Prices on Application

MRS. D. S. KREPS, Canalon, Mo., writes: "I have planted your seeds for about 12 years and have had good results all the time. I am well pleased with your promptness in filling orders."



**SPECIAL NOTICE:** Owing to the many changes in the markets, customers are requested to write us for prices ruling at the present time.

## MANURIAL CROPS

PRICES OF SEEDS ON THIS PAGE SUBJECT TO CHANGE WITHOUT NOTICE

Modern agricultural practice proves that it is far more economical and desirable to grow the nitrogen fertilizers for soil than to attempt to produce this in the form of manure, especially on large farms or where much live stock is not kept. The chief thing the soil needs is organic matter, and if the farmer can not afford to give enough of this in the form of manure, he can afford to grow and turn down certain good cover-crops for fertilizing. The clovers of various kinds, such as the Mammoth Clover, Red Clover, Alfalfa, Alsike and the Sweet Clovers are beneficial as soil renewers, and in addition to these there are Cowpeas, Soy Beans and, in fact, Peas and Beans of all kinds, Sand and Spring Vetches, Sainfoin, Kidney Vetch, Yellow Lupine and other Legumes which have the power of catching nitrogen from the atmosphere and transforming it into available form for plant-growth.

Where soil is even too thin or poor in quality to grow Red Clover, Sand Vetch or Alsike can be started, and after growing these crops the Red Clover can then be grown with success. If these cover-crops are grown and turned under, the farmer then can add lime, phosphoric acid in the form of acid phosphate, and potash in the form of Kainit or wood ashes, and will find the soil then to contain fairly well-balanced rations for plant-food and be rich and productive in a few seasons.

### COWPEAS

Can be grown in all parts of the country where Dent Corn succeeds. It is one of the best for temporary pastures. As a grazing crop it is valuable for producing milk, growing young stock and fattening all kinds of domestic fowls and animals. Effective fertilizing plant, and can be used as a green manure crop at any time during the summer and in almost every crop rotation. Can be grown on greater variety of soils than any other legume.

**LARGE BLACK EYE.** Extremely early variety, matures peas in six to eight weeks.

**BLACK.** Quicker to mature than other varieties and better adapted for late planting or for growing north of Virginia.

**CLAY.** Tall, erect, large dark green leaves; stems of vigorous growth; pod large and yellow; seeds kidney-shaped, medium size, cream-colored; medium to late in ripening.

**NEW ERA.** A very regular variety; erect and not inclined to run; matures in 60 or 75 days.

**WHIPPOORWILL.** Usually an erect grower and rarely climbs; pods gray, long and full; seeds large, nearly spherical, mottled red and white; matures early. One of the best for late planting and growing.

Prices of above, pkt. 10 cts., lb. 25 cts., 3 lbs. 60 cts., postpaid.

**Barley, BEARDESS.** This variety is free from beard. Lb. 25 cts., 3 lbs. 60 cts.

**Rye, WHITE WINTER.** It is much harder than wheat and can be grown on a greater variety of soils. It is not only grown for grain, but for straw and soiling purposes. Plowed under when about 6 inches high, it is in condition to add great fertility to the soil. Rye can be cultivated longer on the same land than any other crop. Can be sown at the last working of corn. Sow at the rate of  $\frac{1}{2}$  bushel to the acre. Lb. 20 cts., 3 lbs. 50 cts., postpaid.

**SPRING.** True stock. Spring Rye is an excellent catch-crop where winter grain has been killed out, or where a fall crop has not been planted. Lb. 20 cts., 3 lbs. 50 cts., postpaid.

**Buckwheat, JAPANESE.** Is much superior to the common Buckwheat. The yield is far greater and it makes a superior flour. It is used as a poultry-food. Sow 1 bushel (48 lbs.) to the acre broadcast. Lb. 25 cts., 3 lbs. 60 cts., postpaid.

**SILVER HULL.** The grains are of a silvery gray color, making a white flour. Prices same as Japanese.

**Broom Corn, IMPROVED EVERGREEN.** Best variety for general cultivation, on account of color and quality of brush; ripens very early; grows about 8 to 10 feet high; brush of good length, fine and straight, and always of green appearance when ripe. Lb. 25 cts., 3 lbs. 65 cts., postpaid.

**Spring Emmer.** (Incorrectly called Speltz.) A grain especially suited for dry lands. Being semihardy, it can be sown very early in the spring like oats. Emmer grows best in the dry prairie regions with hot summers, and even does well in poor or stony ground. It is a better drought and rustresister than either oats or barley, and it also yields considerably better. The feeding value is high. Lb. 25 cts., 3 lbs. 60 cts., postpaid.

**Milo Maize.** A variety of sorghum, nonsaccharine, growing stalks 8 to 10 feet high. Useful for the large amount of green feed or cured fodder it produces and for its grain. It stands dry weather and makes its crops when corn would wholly fail. Plant in 3-foot rows and cultivate as corn; 3 to 5 lbs. to the acre. Lb. 20 cts., 3 lbs. 50 cts., postpaid.

**Sorghum, or Sugar Cane.** Sorghum is a sweet fodder of most luxuriant growth. There is no better feed for horses—very nourishing, fattening and keeps the bowels open, and can be safely fed at any stage of growth. Fed to cows, proves a great milk producer and is a wonderful feed to fatten hogs. Will produce as high as 20 tons per acre, and two or three cuttings in a single season.

**EARLY AMBER.** Grows from 11 to 12 feet in height and can be planted by the first of May. The seed ripens almost invariably, affording an excellent food for stock and poultry. Lb. 20 cts., 3 lbs. 55 cts., postpaid.

**EARLY GEM.** This is a strong grower and will outyield any other Sorghum; is highly recommended as a feed for horses and cows. Lb. 25 cts., 3 lbs. 65 cts., postpaid.

**Kaffir Corn.** One of the best forage-plants. If the crop is wanted mainly for fodder, it is recommended to cut down the whole stalk when the first seed heads come into bloom. The second growth springing at once from the roots, will still mature a full crop of grain and a second full crop of forage by October 15. For grain sow in rows 3 feet apart, 5 lbs. to the acre. For fodder, sow 3 pecks broadcast. Pkt. 10 cts., lb. 25 cts., 3 lbs. 60 cts., postpaid.

**Sunflower, MAMMOTH RUSSIAN.** Makes large heads; valuable for poultry. Qt. 30 cts., postpaid. By freight or express, lb. 15 cts., 100 lbs. \$12.

**Field Peas, CANADA.** "Peas could be made to bring more nitrogen to the soils of this country every year than is now purchased annually by the farmers at the cost of millions of dollars."—Year Book of the U. S. Department of Agriculture. Peas are second only to clover in their soil-enriching properties and can be grown under almost any condition. The vines make rich, nutritious hay, or can be grown to turn under. Peck \$1.50, bushel (60 lbs.) \$4.75, 2 bushels \$9.00.

**LARGE MARROWFAT.** Growth immense. The best of the Field Beans for hay. Peck \$2.50, bushel (60 lbs.) \$9.00.

**New Velvet Bean.** A very heavy yielding legume belonging to the Soja and Cowpea class. The most rampant growing of all these sorts. Popular in the South—and of value in the North for a cover crop. Pkt. 10 cts., lb. 30 cts., postpaid. For larger lots write for prices.

**Giant Spurry.** An annual plant extensively cultivated in Europe as a winter pasture for cattle and sheep; grows well on poor, dry, sandy soil; an excellent fertilizer for light soil and valuable for forage. Sow 12 lbs. to the acre. Lb. 30 cts., 3 lbs. 75 cts., postpaid. For larger lots write for prices.

**Teosinte.** A valuable continuous-cutting forage plant for the Southern and Southwestern States, furnishing a most nutritious food, green or dry, for horses and cattle. Sow in May or June in drills  $3\frac{1}{2}$  to 4 feet, 2 to 3 lbs. to the acre. Pkt. 5 cts., oz. 15 cts.,  $\frac{1}{4}$  lb 75 cts., lb. \$2.50, postpaid.

**Soja Beans.** The Soja Bean is often used to take the place of clover where the soil is not fertile, both for hay and for fertilizing purposes. It is a sure cropper. Ordinary yield of beans 25 to 40 bushels per acre. One of the richest of natural food stocks. Sow about 1 bushel to the acre, either broadcast or drilled.

**MAMMOTH YELLOW.** Lb. 30 cts., 3 lbs. 75 cts. Write for prices in larger lots.

**Dwarf Essex Rape.** This plant is extensively grown for sheep forage, and for green manure. Farmers who desire to get young cattle, sheep or lambs into favorable condition to be sold advantageously in the fall, can do it most cheaply by growing this. Three pounds of seed to the acre in rows, or broadcast at the rate of 6 pounds to the acre. Our stock is the true Essex Dwarf. Lb. 30 cts., 100 lbs. and over at \$25.00.

**Vetch, Spring, or TARES (Vicia sativa).** Used for the same purpose as the Sand Vetch, but will not thrive on poor soil or withstand extremes of weather as successfully. Sow with oats, using a bushel of each to the acre. Lge. pkt. 5 cts., lb. 30 cts., postpaid. For larger lots write for prices.

**SAND, HAIRY, or WINTER (Vicia villosa).** The winter cover-crop. A large yielding and nutritious forage-crop; splendid for grazing and soil improving. It is very hardy, is valuable as a winter cover-crop to prevent leaching. It is an annual, but resows itself and will come up year after year on the same ground. Valuable where clover does not thrive. The Department of Agriculture estimates the value of an acre of this Vetch plowed under equal to commercial fertilizer at the rate of \$16 to \$40 an acre. One to one and one-half bushels of seed required to the acre. Lb. 35 cts., postpaid. For larger lots write for prices.

### MILLETS

**GERMAN, or GOLDEN MILLET.** Matures two weeks later than the common Millet. The seed we offer will produce more than double the quantity of fodder usually got on the same ground. Four to five feet high. Sow 1 bushel to the acre. Lb. 25 cts., 3 lbs. 60 cts., postpaid. For larger lots write for prices.

**PEARL MILLET, or PENICILLARIA.** An immense fodder yielder, attaining a height of 8 to 10 feet. Can be cut several times during a season. Sow 10 pounds to the acre. Lb. 30 cts., 3 lbs. 75 cts., postpaid. For larger lots write for prices.

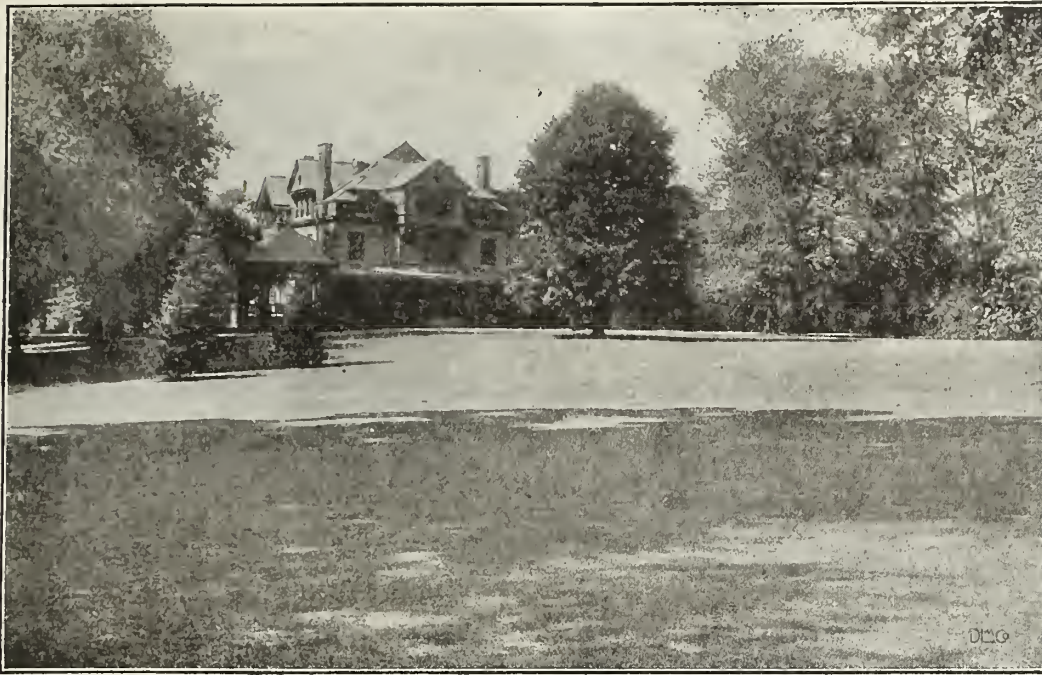
**SIBERIAN.** Rapidly becoming the most popular of all Millets. Very productive; grows 4 to 5 feet. Withstands drought wonderfully. Lb. 25 cts., 3 lbs. 60 cts., postpaid. For larger lots write for prices.

**COMMON MILLET.** Best quality for feeding. Lb. 20 cts. For larger lots write for prices.

**JAPANESE MILLET.** Particularly valuable in the Northern States as a quick-growing forage and ensilage crop. Six to eight feet, yields 10 to 18 tons of green fodder to the acre. Two parts of the Millet with one part Soja Beans form a completely balanced ration that may be fed without grain. Sow 10 to 12 pounds to the acre. Lb. 25 cts., 3 lbs. 60 cts. For larger lots write for prices.

**HUNGARIAN.** A very valuable forage-plant of the Millet family, but not so coarse. Sown and cultivated same as Millet, and quite a favorite with stockmen. Lb. 20 cts., 3 lbs. 60 cts. For larger lots write for prices.





This Lawn was sown with Holmes' Capitol Park Lawn Grass Seed

## Choice Lawn Grass Seed Mixtures

**A Few Words Here.** The seedsman is always censured if weeds come up in the lawn. We invariably purchase the finest grasses we can obtain, either here or abroad. Weed seeds are carried by the thousands by birds and by the manure you put on the soil. Even if you plant nothing, weeds will come. We know of soil which was excavated at a depth of 70 feet and inside one month was covered with a magnificent growth of numerous weeds.

## MAKING AND CARING FOR THE LAWN

**Preparing and Manuring the Ground.** In making a new lawn, all grading, tree planting and laying out of walks and drives should be done first. The ground should be thoroughly dug or plowed to a depth of 10 or 12 inches, after which some good fertilizer—pure ground bone or pulverized sheep manure is especially recommended—should be applied at the rate of 600 to 800 pounds per acre. The ground should be fine and perfectly smooth and even.

**Sowing the Seed, Rolling and Weeding.** The best time for sowing grass seed is in spring, from February to May, or if in fall, from September to November, using on small plots at the rate of one quart of seed to each 15 square feet, and for large lawns, golf-links, tennis, cricket and croquet-grounds, use at the rate of 80 pounds of seed per acre, and for putting-greens 100 pounds of seed per acre. After the seed has been sown broadcast the ground should be thoroughly rolled; or, on small places, beaten with the back of a spade to "firm" the surface and press the seed into the soil. Annual weeds, natural to the soil, will appear before the young grass becomes established; none of these should be allowed to ripen their seeds.

**Renovating Old Lawns.** This should be done either in the spring or early fall, by raking the soil where bare spots occur, and sowing seed, taking care that it is not covered too deep, and also to roll or pat the surface smooth with a shovel.

**Cutting, Weeding and Watering.** When the grass has attained a height of 4 inches it should be mown, care being exercised not to cut it too close. Frequent rolling and mowing will make the turf close and compact, strengthen the grass and render the lawn smooth and attractive. Lawns require frequent watering and feeding to keep up their vigor. We recommend Holmes' Lawn Dressing as the best fertilizer for nourishing lawns.

**Top-Dressing in Fall.** A coating of wood-ashes and ground bone in the late fall is very beneficial and gives the lawn a good start in the spring. It is also advisable to roll the lawn after the last cutting in the fall; it prevents much of the young growth from freezing out at the roots.

**THE AMERICAN LAWN BEAUTIFUL.** A booklet brimful of valuable information free for the asking.

## Holmes' Capitol Park Lawn Grass Seed

**BOTH FOR FORMING NEW LAWNS AND RENEWING OLD LAWNS. THE KIND THAT GIVES LASTING RESULTS. FOUR WEEKS FROM SOWING YOU CAN USE YOUR MOWER**

A good lawn once made will last for years if the right material is used and the work properly done. Our Capitol Park Lawn Seed has been thoroughly tested in all parts of the country and gives perfect satisfaction. Its use will insure a beautiful, green, smooth, velvety sward, which is often ready for cutting in from four to six weeks. Composed of fancy, re-cleaned domestic and foreign grasses, best adapted for a perfect and enduring lawn. No more sodding once Capitol Park Lawn Seed is used; for, if directions are followed, you are sure of good results. Lawn seed can be sown at almost any time, from early spring to late in the fall. Qt. 25 cts., 2 qts. 45 cts. (add 5 cts. per quart extra if sent by mail). Seed in bulk, by freight or express, peck \$1.25, bushel of 20 lbs. \$4.

HARRY W. MILLER, Harrisburg, Pa., writes: "It affords me a great deal of pleasure to express the satisfaction I have experienced in the sowing, on new and heavily weeded ground, of your Capitol Park Lawn Grass Seed Mixture. The grass was above the surface of the ground four days after it had been sowed, and today there is a thick, velvety verdure which is the admiration of the neighborhood. I have never seen its equal anywhere. This goes to prove that seed, if properly sown according to your booklet, The American Lawn Beautiful, which you advised me to read, will give results; and the beauty of it all is no weeds have made their appearance."

## HOLMES' TERRACE MIXTURES

A mixture of grasses best adapted for sloping ground and terraces. Has deep, spreading roots that hold embankments and cover terraces with a beautiful green turf. By freight or express, qt. 30 cts., peck \$1.50, bushel of 20 lbs. \$5.

## Holmes' Shady Nook Lawn Mixture

The beauty of many lawns today is marred by the unsightly bare spots under trees and shrubbery and close to walks, due to all-day shade. Unfortunately the regular Lawn Grass Seed will not thrive well in shady places, but we have, by long experience in the study of grasses and their growing natures, succeeded in making a special mixture that will produce a velvety green sod in the very shadiest nooks and corners. The special grasses that are used in this mixture are mostly imported and high-priced, and we can recommend this variety to our most critical trade. The grasses are all fancy re-cleaned and we make the prices as low as possible consistent with the quality offered. Ground that is densely shaded is usually covered with moss and clumps of coarse grasses, which should be removed and the ground covered with slaked lime before sowing our special mixture. Qt. 35 cts., postpaid. By freight or express, qt. 30 cts., 4 qts. \$1, peck \$1.60, bushel of 20 lbs. \$5.50.

V. GRANT FORRER, Supt. Harrisburg Park Commission, writes: "I desire to say that the grass seed which you furnished of your Shady Nook Mixture for the shady places on Front Street under the trees speaks for itself. The results obtained were more than satisfactory, and I can unhesitatingly recommend your seed, not only the Shady Nook, but also the grass seed you furnished for golf-course and lawns, as being thoroughly reliable."

The above photograph taken on Front Street speaks for itself. The seed was sown early in spring, and on the date the photograph was taken, May 28, there was a beautiful sod.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE



Holmes' Shady Nook Mixture



## Holmes' Golf-Links Mixture

FOR FAIR-GREENS AND PUTTING GREENS

For some years past we have made up a special mixture of Grasses adapted specially for golf courses. This mixture is composed of Grasses that produce in a very short time a permanent, low-growing, tough green sward of beautiful appearance. By the use of our famous mixtures for fair greens and putting greens, a permanent turf can be produced in a very short time.

**Holmes' Fair Greens Mixture.** Qt. 20 cts., 2 qts. 35 cts., 4 qts. 50 cts., peck 85 cts., bushel of 15 lbs. \$3.25, 5 bushels \$15, 10 bushels \$27.50, 25 bushels \$65.

**Holmes' Putting Green Mixture.** Qt. 30 cts., 4 qts. 90 cts., peck \$1.50, bushel of 20 lbs. \$6, 5 bushels \$28.75, 10 bushels \$55.

The Fair Green Mixture you supplied to the Colonial Country Club for use on the golf course has answered the purpose exactly. This seed was sown from April 27 to 30. On all parts of the grounds where soil conditions, etc., were good it came up beautifully and in six weeks' time has made a fine sod. On hard, shaly knolls, extreme slopes and ground subject to heavy washes, of course no sod could be expected for years, but even on those spots we have got a foundation that will hold next seeding. With light seeding fall or spring we shall have a fine sod next spring.

As regards the lawn in front of clubhouse, seeded October, 1911, it shows up beautifully and certainly speaks well for Holmes' Capitol Park Mixture—STEWART McEWAN, Professional Greenkeeper.

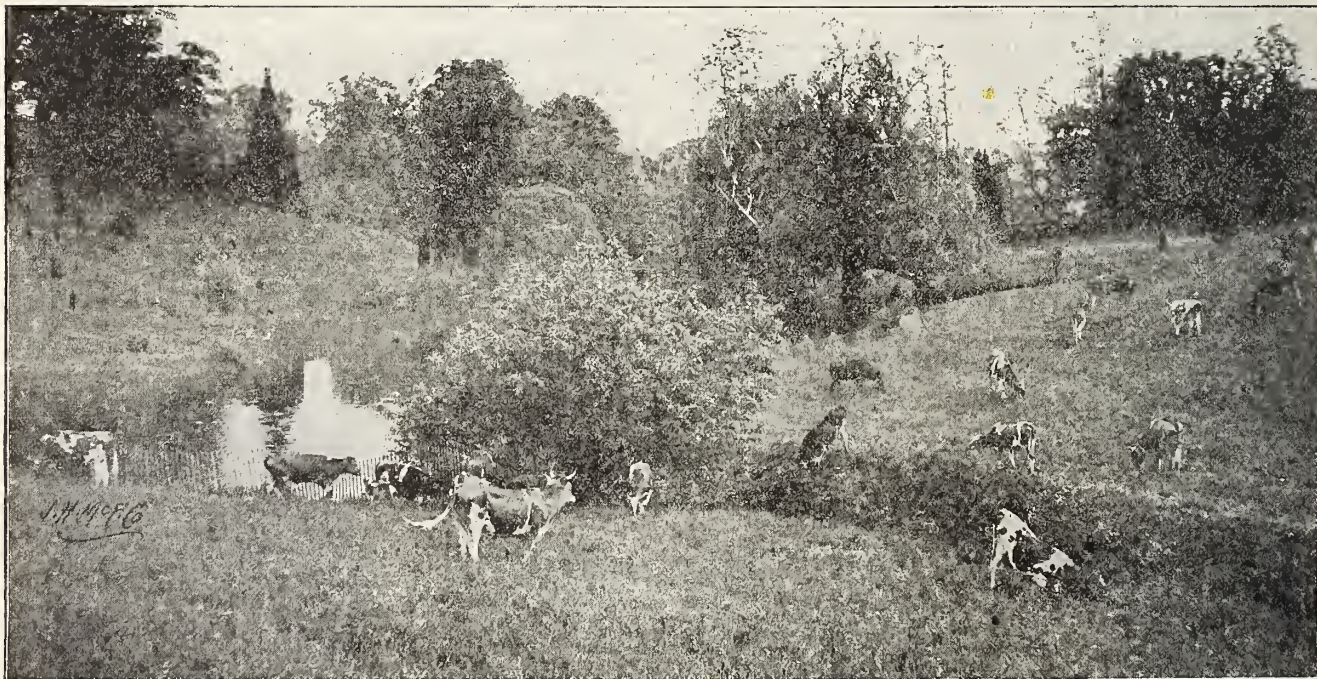


## Holmes' "Tough Sod" Grass Mixture

FOR TENNIS-COURTS, CROQUET-GROUNDS, BOWLING-GREENS, BALL-PARKS, ETC.

It quickly forms an indestructible turf, smooth, firm, elastic, standing wear and tear of outdoor games. Under congenial conditions it will be ready for mowing four weeks from sowing, and in six weeks ready for playing.

Holmes' "Tough Sod" Grass Seed is a blend of Grasses especially suited for the making of Grass tennis courts, croquet grounds, bowling greens, etc. The turf required for outdoor sports must be closely interwoven, firm, elastic, smooth, and durable to stand to wear and tear. These requirements are met in Holmes' "Tough Sod" Mixture, which is composed of native and acclimated foreign fine-leaved, fibrous, deep-rooting Grasses that spread and intermingle, the seeds of which are blended in the proper proportions to form and maintain a tough, matted sward, constantly green, even in dry weather. These varieties of Grasses, being low-growing and fine-leaved, require to be sown liberally if a playing turf is desired quickly; not less than one quart should be used for 300 square feet, or 5 bushels per acre; half that quantity will do for renovating. Price, delivered free in the United States, qt. 30 cts., 4 qts. 75 cts., peck \$1.35, bushel of 20 lbs. \$5.



## Holmes' Special Grass Mixture

FOR PERMANENT  
PASTURE AND HAY

Our famous mixture is becoming more generally used each season by progressive and successful farmers who desire an abundance of hay and permanent pasturage. This mixture is made up of the Grasses best calculated to afford an abundant and nutritious food supply for stock, and its formula is based upon years of successful experience. It thrives well on all soils and is not seriously affected by the different climatic conditions. Will outyield timothy and will thrive in soils where the latter fails. Not only does it produce an abundance of hay, but will give an excellent pasturage after it has been cut. In many cases it will produce two crops a season, whereas from timothy alone you can cut but one. If your fields are old and worn out it will pay you to plow up and seed again, when you will soon be cutting heavy crops from Holmes' Permanent Pasture Mixture. Sow 3 to 4 bushels to the acre, or half this amount in established pasture. In ordering, state whether for light or heavy soil. Should you desire a special mixture for renewing old pasture, etc., write us and we will give information. Lb. 25 cts., by mail 35 cts.; bushel of 15 lbs. \$3, 5 bushels \$13.75, 10 bushels \$26, 25 bushels \$62.50, 50 bushels \$120.



# Summer-Flowering Bulbs and Roots



Caladium Esculentum (Elephant's Ear)

## Begonias, Tuberous-Rooted

There is hardly a single garden in which there are not semi- or entirely shaded spots where the average flower will not grow. Such places are ideal for this flower; yet it will make a dazzling show in the open. Enormous wax-like flowers appear uninter- ruptedly from June till frost.



Pearl Tuberose

	SINGLE			DOUBLE		
	Each	Doz.	100	Each	Doz.	100
Crimson....	10	\$1 00	\$6 00	15	\$1 50	\$10 00
Orange.....	10	1 00	6 00	15	1 50	10 00
Pink.....	10	1 00	6 00	15	1 50	10 00
Scarlet.....	10	1 00	6 00	15	1 50	10 00
White.....	10	1 00	6 00	15	1 50	10 00
Yellow.....	10	1 00	6 00	15	1 50	10 00
Mixed.....	07	70	5 00	12	1 20	8 50

Add 10 cts. per dozen for mailing  
Single Bulbs mailed free

## Holmes' Selected Cannas

Name of Canna	Color of Flower	Color of Foliage	Height
Austria.....	Canary yellow.....	Green	4 feet
Allemania.....	Scarlet and yellow.....	Green	4 feet
America.....	Golden orange.....	Bronze	4 feet
Cherokee.....	Dark crimson.....	Green	5 feet
Mille Berat.....	Rose carmine.....	Green	4 feet
David Harum.....	Vermilion scarlet.....	Bronze	3 feet
Black Prince.....	Velvety maroon.....	Green	5 1/2 feet
Tarrytown.....	Light crimson.....	Green	4 feet
Mephisto.....	Real dark crimson.....	Green	5 feet
Egandale.....	Currant red.....	Bronze	4 feet
Shenandoah.....	Old rose salmon.....	Bronze	5 feet
General Merrell.....	Scarlet, with orange base and edge.....	Green	4 feet
Musafolia.....	This canna is used for foliage only.....		
Indiana.....	Golden orange.....	Green	5 feet
Kanzleiter.....	Light amber yellow.....	Green	5 feet
Richard Wallace.....	Pleasing canary yellow.....	Green	5 feet
Wyoming.....	Orange.....	Purple	4 feet
Italia.....	Red bordered yellow.....	Green	6 feet
Prince Wied.....	Rich deep crimson.....	Green	5 feet
Louisiana.....	Vivid scarlet.....	Green	7 feet
Pennsylvania.....	Deep orange scarlet.....	Green	6 feet
Gladiator.....	Bright yellow spotted crimson.....	Green	6 feet
Gladiolora.....	Crimson changing to carmine rose.....	Green	5 feet
King Humbert.....	Orange-scarlet-red markings.....	Bronze	4 feet

Price of any of the above varieties in strong roots, 10 cts. each, \$1 per doz., by mail postpaid; \$6.00 per 100, by express. Mixed Dwarf French, 5 cts. each, 50 cts. per doz., \$35 per 100; Tall Shorts Mixed, 5 cts. each, 50 cts. per doz., \$3.50 per 100. After May 1 we supply plants at 15 cts. each, \$1.50 per doz., \$10 per 100.



Nymphaea Dahlia

Sylvia.....	Deep pink, pure white center.....	15	1 50
Nymphaea.....	White suffused with pink.....	15	1 50
Maid of Kent.....	Cherry-red, tipped white.....	15	1 50
Mrs. Roosevelt.....	Beautiful light pink.....	20	2 00
Mrs. J. Gardner Cassatt.....	Deep rose-pink; large.....	50	5 00

### CACTUS DAHLIAS

	Each	Doz.
Countess of Lonsdale.....	20	\$2 00
Volker.....	25	2 50
Kriemhilde.....	20	2 00
J. H. Jackson.....	20	2 00
Eva.....	20	2 00
Mrs. Edw. Mawley.....	25	2 50
Floradora.....	15	1 50

### SHOW AND FANCY DAHLIAS

	Each	Doz.
Arabella.....	15	\$1 50
John Walker.....	20	2 00
Red Hussar.....	15	1 50
Emily.....	15	1 50
Admiral Schley.....	15	1 50
A. D. Livoni.....	15	1 50
Dorothy Peacock.....	75	7 50
White Swan.....	20	2 00
SINGLE DAHLIA, "Rebecca Mayhew," Pure white.....	50	5 00

NEW "GIANT CENTURY" DAHLIAS. Write for list and prices.

Holmes' Special Dahlia Catalog sent free for the asking

## Gloxinias

A gorgeous plant, either for conservatory or garden. The plants prefer a moist soil and a shady situation. Bulbs may be started as early as January, but should not be set outdoors until after May 15. They can be easily made to bloom in the house as pot-plants. Bulbs must be lifted in the fall.

Named Colors.....	Each	Doz.	100
Cholcest Mixed Colors.....	15	\$1 50	\$10 00
	10	1 00	6 00



# Summer-Flowering Bulbs and Roots—Continued

## Holmes' Superb Gladioli



Gladiolus Augusta

The Gladiolus is the most useful of all flowers. Apart from its striking beauty and effectiveness while blooming in the garden, its practical value as a cut-flower is becoming more highly appreciated the better it becomes known.

We name below a few of the latest introductions:

	By Mail	By Exp.
	Each	Doz.
AMERICA. Soft lavender-pink . . . . .	05	50
AUGUSTA. Lovely, pure white with blue anthers . . .	05	50
BARON HULOT. Rich, deep indigo-blue; very rare . .	06	60
CHILDSIL. Finest mixed varieties. Large size; brilliant colors . . . . .	05	35
EUGENE SCRIBE. Rose color, shaded carmine-red . .	08	75
GEORGE PAUL. Crimson, stained yellow, spotted purple . . . . .	10	85
GROFF'S NEW HYBRIDS, MIXED. Selected from the cream of high-quality Gladioli . . . . .	04	30
HOLMES' SUPERB MIXTURE. Every bulb is extra choice; the very largest and finest kind of flowers .	04	35
I. S. HENDRICKSON. Irregular mottling of white and pink . . . . .	10	80
KLONDYKE. Clear primrose, blotched crimson . . .	06	60
KUNDERI "GLORY." Exquisitely ruffled and fluted, cream-pink, crimson stripe . . . . .	10	\$1 00
MAY. Pure white, flaked crimson; extra strong . . .	05	50
VICTORY. Delicate sulphur-yellow; best yellow . . .	10	1 00

We can also furnish all other varieties of Gladioli upon application



Gladiolus America

## MISCELLANEOUS BULBS AND BULBOUS PLANTS

**CINNAMON VINE.** A beautiful hardy annual climber, 15 to 30 feet high. Leaves thick and glossy. The white flowers, borne in clusters, emit a delightful cinnamon-like perfume. **Strong roots 5 cts. each, 50 cts. per doz.; extra-strong roots 8 cts. each, 80 cts. per doz., postpaid.**

**MADEIRA, or MEXICAN VINE** (Climbing Mignonette). Thick, glossy leaves, and long, hanging stems of feathery, fragrant, white flowers. **Strong roots 5 cts. each, 40 cts. per doz., \$3 per 100, postpaid.**

**OXALIS, Summer-Blooming.** Deep, white. Lasiandra, pink. Either variety, 2 cts. each, 15 cts. per doz., \$1 per 100.

**TUBEROSES.** Excelsior Pearl, pure white. 3 cts. each, 25 cts. per doz., \$1.50 per 100. Mammoth Bulbs 5 cts. each, 50 cts. per doz. \$3 per 100. Add 15 cts. per doz. for mailing.

## Ornamental Vines

**AMPELOPSIS Veitchii** (Boston Ivy). The best climber to cling to walls, trees, etc. **Strong plants 15 cts. each, \$1.50 per doz., \$10 per 100; extra-strong plants 25 cts. each, \$2.50 per doz, \$18 per 100.**

**ARISTOLOCHIA Siphio** (Dutchman's Pipe). A strong grower, with large leaves and pipe-like flowers. 50 cts. each, \$5 per doz.

**BIGNONIA grandiflora** (Trumpet Vine). Large, orange-red flowers. 50 cts. each, \$5 per doz.

**Radicans.** Dark red; very free-flowering. 25 cts. each, \$2.50 per doz.

**CLEMATIS paniculata** (Japanese Virgin's Bower). One of the finest climbers; clouds of small fragrant flowers in August. **Strong plants 15 cts. each, \$1.50 per doz., \$10 per 100; extra-strong plants 25 cts. each, \$2.50 per doz., \$15 per 100.**

**Henryi.** Creamy white; large. 50 cts. each.

**Jackmani.** The popular rich purple variety. 50 cts. each.

**Ville de Lyon.** The nearest approach to a red. 50 cts. each.

**WISTARIA Sinensis** (Chinese Wistaria). Blue. 50 cts. each.

## Peonies

These old-time favorites are being planted more and more than ever before. They are admired in open borders, beds along walks and drives; well suited to intermingle among either shrubs or perennials. Their great flowers are perfectly formed, and some are fragrant and as delicately colored as a rose. Peonies grow best in rich, deep soils and sunny positions. They flower at the close of May and in June.

**Named Varieties 15 cts. each, \$1.50 per doz. Mixed Varieties 12 cts. each, \$1.25 per doz.**

**MOUTAN** (Tree Peony). These differ from the herbaceous varieties by their growth, which is in the form of a dwarf shrub; they commence blooming about three weeks earlier, and while also perfectly hardy are benefited by slight protection through the winter. We offer strong plants in shades of crimson, pink and white. **\$1 each, \$9 per doz.**

**TENUIFOLIA fl. pl.** Interesting on account of their rich crimson, double flowers, and the fine, feathery foliage which makes a handsome ornamental plant. **25 cts. each, \$2.50 per doz.**

**OFFICINALIS.** This type is the old-fashioned Peony and comes into bloom from ten days to two weeks ahead of the other herbaceous sorts. All are strong growers, with large, full-double, fragrant flowers.

**Alba.** Blush-white.

**Rosea.** Bright rose-pink.

**Rubra.** Deep crimson.

**30 cts. each; 1 of each for 75 cts.**

## HOLMES' HARDY ROSES

Hardy Roses are permanent guests in your garden or about your home. As soon as summer comes again they are there with the fragrance and beauty and elegance of old-fashioned places. Put a bed in an empty place, or a row around the outside. The plants we offer are all two-year-old, pot-grown, 2 feet high, many of them in bud when shipped. All are absolutely free from disease and are guaranteed to be satisfactory.

**Any of the following large two-year-old plants 50 cts. each, \$5 per dozen, by express, you pay charges; one-year-old plants of the same varieties 35 cts. each, \$3 per dozen, you pay express.**

**SOUV. DE PIERRE NOTTING.** Superb new Tea Rose. A cross of Marechal Niel on Maman Cochet. Color, apricot-yellow tinged with golden. Rim of petals shaded beautiful carmine-rose. Great quantity of bloom.

**KAISERIN AUGUSTA VICTORIA.** Hybrid Tea. Large, strongly fragrant flowers of snowy whiteness, produced in great profusion; a strong, healthy grower with large foliage.

**KILLARNEY.** A splendid new Hybrid Tea Rose; strong, robust grower; free, continuous bloomer; color is brilliant, sparkling pink; flowers are extra large and the buds long and pointed.

**CLOTHILDE SOUPERT.** Tea Polyantha. One of the freest flowering Roses in our collection, producing perfectly double flowers of a French-white, deepening to rosy blush in the center.

**DUCHESSE DE BRABANT.** Tea. One of the most deliciously scented and beautiful in cultivation; silvery pink; free growth.

**ETOILE DE LYON.** Tea. A splendid rich yellow, beautiful in the bud as well as in the flower.

**MAD. FRANCISCA KRUGER.** Tea. A fine bedding Rose; color, copper-yellow, shaded with peach; large and full.

**HERMOSA.** Bourbon-China. The old favorite bright rich pink, which is always in bloom.

**MAMAN COCHET.** Everblooming Tea. An extra-strong grower, producing large buds and flowers in the greatest profusion; color, deep rose-pink, inner side of petals silvery rose; borne on long, stiff stems; very double and exquisite when in bud.

**WHITE MAMAN COCHET.** Everblooming Tea. Identical with Maman Cochet, except in color, which is pure white.

**FRAU KARL DRUSCHKI.** Hybrid Perpetual. This is an ideal hardy white Rose, pure in color, perfect in form, strong grower and remarkably free-flowering; superb in every way.

**HELEN GOULD, or BALDUIN.** Tea. An excellent bedding variety, with large full flowers of fine form; bright, glowing carmine; a free and continuous bloomer.

**GENERAL JACQUEMINOT.** Hybrid Perpetual. Brilliant scarlet-crimson.

**LA FRANCE.** Hybrid Tea. An old favorite and probably the most popular Rose the world over. Flowers clear, satiny pink; large; very full and of perfect form.

**GLOIRE LYONNAISE.** Hybrid Perpetual. White, tinted with yellow; large, full and of good shape; very distinct.

**MAGNA CHARTA.** Hybrid Perpetual. Bright pink, suffused with carmine; a beautiful Rose; strong, vigorous grower.

**MRS. JOHN LAING.** Hybrid Perpetual. Soft pink of beautiful form; exceedingly fragrant and remarkably free flowering.

**PAUL NEYRON.** Hybrid Perpetual. The largest Rose; smoky rose color. An old favorite.

## Climbing Roses

**CRIMSON RAMBLER.** Plants 2 to 3 feet, 50 cts. each.

**PINK RAMBLER.** Plants 2 to 3 feet, 50 cts. each.

**WHITE RAMBLER.** Plants 2 to 3 feet, 50 cts. each.

**YELLOW RAMBLER.** Plants 2 to 3 feet, 50 cts. each.

**Our Guarantee.** The shipping of Roses and other plants by mail is so unsatisfactory to the buyer that we have decided to offer only large, strong one and two-year-old plants by express, which we will guarantee to please you. Roses and Hardy Climbers will not be ready to ship before May 1, and unless otherwise ordered, we will send all plants on or about that date.





In all cases the order will be filled exactly as desired, but in order to take advantage of this reduced price offer, it will be necessary to mention the fact in the order.

## HOLMES' SUPERIOR FLOWER SEEDS

On the following pages are listed the very best flower seeds that can be grown. We offer them with the full consciousness of their superiority, knowing that they will give unbounded satisfaction. We guarantee all of them to be **absolutely fresh, new crop, tested and of strong germination power.** We have listed all seeds by using the botanical in some instances and the English names in others. There are also cross references wherever needed so that every variety may readily be under either name.

Following each name will be found letters according to the following table, showing the nature and character of each plant, and figures showing the height to which it naturally grows. The letters and their meanings are as follows:

**A.** Annual—Blooming the same year of planting, but dying in the fall.

**HA.** Hardy Annual—Growing with but little care.

**HHA.** Half-Hardy Annual—Requiring protection in unfavorable seasons.

**B.** Biennial—Lasting two years.

**HP.** Hardy Perennial—Permanent in growth, coming up each spring from the roots, and increasing in size and beauty.

**TP.** Tender Perennial—Requiring mulching or protection during the winter.

**GP.** Greenhouse Perennial Plants—Those suitable only for growing in pots in the conservatory or house.

**GS.** Greenhouse Shrubby Plants—which are appropriate for greenhouse culture, but which can be planted outside during the summer.

We shall be glad, at all times, to answer questions relative to the growing of flowers, and will cheerfully give our patrons the benefit of our experience. Write us for any information desired.

### Special Collections of Flower Seeds

#### A NEW MONEY-SAVING PLAN—SATISFACTION GUARANTEED

To give our patrons all the advantages possible in their purchase of flower seeds, we have devised a plan whereby everyone has a chance to make his own selection of seeds, but to obtain them at reduced prices.

By this plan selections and payments may be made as follows:

Select Flower Seeds to the value of \$3.00 and remit \$2.00 with the order.

Select Flower Seeds to the value of \$2.00 and remit \$1.40 with the order.

Select Flower Seeds to the value of \$1.50 and remit \$1.00 with the order.

Select Flower Seeds to the value of \$1.00 and remit \$0.70 with the order.

#### ALL FLOWER SEEDS DELIVERED FREE, BY MAIL, POSTPAID, AT PRICES AFFIXED

	Pkt.	Lge. Pkt.		Pkt.	Lge. Pkt.
1 <b>ABRONIA umbellata</b> (Sand Verbena). A. Trailing. Rose-colored flowers in clusters. For baskets, borders and rockeries. ....	05	25	61 <b>Sunrise.</b> Carmine flowers. ....	05	30
5 <b>ABUTILON</b> (Flowering Maple). GS. 4 ft. Tender shrub, with handsome foliage and bright bell-shaped flowers. Mixed colors. For garden, greenhouse or house. ....	10	40	62 <b>superbus, Fire-brand.</b> Red. ....	05	40
10 <b>ACHILLEA Ptarmica</b> , "The Pearl" (Yarrow; Milfoil). HP. 2 ft. Double white flowers in clusters. ....	10	30	63 <b>tricolor</b> (Joseph's Coat). Variegated foliage. ....	05	20
<b>ACONITUM</b> (Monk's Hood). HP. 4 ft. Panicles of helmet-shaped flowers. ....	05	25	64 <b>Mixed.</b> All kinds and colors. ....	05	15
15 <b>Napellus.</b> Blue. ....	05	25	<b>AMARYLLIS</b> (Jacobean Lily). See Bulbs and Roots.		
16 <b>Napellus.</b> White. ....	05	40	<b>AMETHYST.</b> See Browallia.		
20 <b>ACROCLINIUM.</b> HHA. 1 ft. Everlasting flowers; mixed colors. Fine for winter decoration. ....	05	15	69 <b>AMPELOPSIS VEITCHII</b> (Japan, or Boston Ivy). HP. Climbing Vine. See, also, Pkt. Climbing Plants. ....	05	40
25 <b>ADLUMIA cirrrosa</b> (Allegheny Vine). B. Climbing. Splendid climber, with pink flowers. ....	10	25			
30 <b>ADONIS aestivalis</b> (Flos. Adonis). A. 1 ft. Feathery leaves; blue flowers. ....	05	15			
<b>AGERATUM</b> (Floss Flower). A. For edging; blooms all summer. ....	10	20			
31 <b>Blue Perfection.</b> 6 in. Blue. ....	10	20			
32 <b>Blue Star.</b> 5 in. Bright blue. ....	15	50			
33 <b>Dwarf White.</b> 9 in. White. ....	05	15			
34 <b>grandiflora alba.</b> 9 in. White; large flowers. ....	10	15			
35 <b>Princess Victoria Louise.</b> 6 in. Light blue, white center. ....	10	30			
36 <b>Fine Mixed.</b> Both colors mixed. ....	05	15			
<b>AGROSTEMMA.</b> HP. 2 to 3 ft. Free blooming. Fine for dry places. ....	05	15			
46 <b>coronaria</b> (Rose Campion). Rose-colored. ....	05	15			
<b>ALLEGHENY VINE.</b> See Adlumia.					
<b>ALTHAEA.</b> See Hollyhock.					
<b>ALYSSUM.</b> Clusters of small flowers all summer. For edging. ....					
51 <b>saxatile compactum</b> (Basket of Gold). HP. Pkt. 1 ft. Yellow. ....	05	75			
52 <b>Little Gem.</b> HA. 6 in. White; spreading. ....	05	50			
53 <b>procumbens</b> (Carpet of Snow). HA. White; very dwarf. ....	05	60			
54 <b>maritimum</b> (Sweet Alyssum). HA. 6 in. White. ....	05	25			
<b>AMARANTHUS.</b> A. 2 to 3 ft. Handsome foliage and plume-like flowers. ....	Pkt.	Lge. Pkt.			
59 <b>caudatus</b> (Love-Lies-Bleeding). Red. ....	05	15			
60 <b>salicifolius</b> (Fountain Plant). Red; drooping. ....	05	30			



Holmes' Late Giant Branching Aster





ASTERMUM. A Glorified Aster

	Pkt.	Lge. Pkt.
74 ANCHUSA capensis. HP. 1½ ft. Purple flowers.	05	40
79 ANEMONE (Wind Flower). HP. 2 ft. Charming double flowers; all colors.	05	20
ANIMATED OATS (Avena sterilis). See Grasses.		
ANTIRRHINUM (Snapdragon). HP. Magnificent trusses of odd-shaped flowers.		
Tall Varieties. 2 to 3 ft.		
84 Giant Pink.	10	25
85 Giant Scarlet.	10	25
86 Giant Striped.	10	25
87 Giant White.	10	25
88 Giant Yellow.	10	25
89 Giant Mixed.	10	20
Semidwarf Varieties. 1 to 1½ ft.		
94 Daphne. Bright Pink.	15	40
95 Firefly. Scarlet and white.	10	20
96 Golden Queen. Yellow.	10	20
97 Queen of the North. White.	10	20
Dwarf Varieties. 6 in.		
98 Golden Sun.	10	40
99 Mixed.	05	20
AQUILEGIA (Columbine). HP. 2 ft. Quaint, spurred flowers on long stems.		
105 Long-spurred Hybrids. Mixed colors.	10	40
106 Canadensis.	05	25
107 chrysanthia. Golden yellow.	10	25
108 chrysanthia alba. White.	10	30
109 California Hybrids. Yellow and scarlet.	10	25
110 caerulea. Blue.	10	40
111 glandulosa. Blue and white.	15	40
112 Haylogensis delicatissima.	20	50
113 nivea grandiflora.	05	15
114 Rose Queen.	20	50
115 Single Mixed. All colors.	05	15
116 Double Mixed. All colors.	05	15
125 ARISTOLOCHIA Siphon (Dutchman's Pipe). HP. Climbing Vine. Brown and yellow flowers; large, heart-shaped leaves, 30 seeds.	10	
130 ASCLEPIAS tuberosa. HP. 2 ft. Orange flowers in spikes.	10	
ASPARAGUS. GP. Trailing. Feathery long stems, for pots and baskets.		
135 plumosus. Fine, lace-like foliage.	25	\$1 00
136 Sprengeri. Coarser foliage; red seed berries.	10	50

Elmira, N. Y., Nov. 9, 1914.

Holmes Seed Co., Harrisburg, Pa.

Gentlemen: In reply to your favor of October 31, your Emperor Celery and Columbia are not at all alike in size, shape or growth.

The Emperor is a much heavier stalk and stalkier heads, large, thick, fine ribs. Also a larger leaf.

One's first glance, the Emperor resembles the Columbia, but on close inspection they are entirely different. We are growing both and have concluded to grow only the Emperor for late next season. It is the kind of the late varieties.

Please pardon delay; absence from home cause of delay.

Respectfully yours,

MILLER BROS.  
Per A. G. M.

## Asters. A. 1 to 2 ft.

The best known and most popular of all late-blooming garden annuals. Some are handsomely quilled, and others rival the largest chrysanthemums in form and beauty. Special instruction in their cultivation will be sent upon application.

## ASTERMUM. A Glorified Aster

(See illustration)

The plant itself grows straight up with very strong, sturdy stems starting near base and reaching from 18 to 24 inches; even the center stems are plenty long enough for the market.

The three colors are unsurpassed. The lavender has never been produced before. The pink is the beautiful pink of the rose and the white is as white as the driven snow. Each plant yields from 10 to 15 blooms, measuring fully 5 inches in diameter, and their solidity is such that they make good shippers. They do not require either disbranching or disbudding, in fact, there are but few side buds. Owing to the symmetry of the plants, they may be set only 9 inches apart. They seem to vie with each other in reaching up and the roots are better shaded; in case of storm, they support each other and the bloom remains unharmed.

137 Pink. A beautiful rose-pink.

138 Lavender.

139 White. As white as the driven snow.

Pkt. 20 cts., ¼ oz. \$2.50. One packet of each color for 50 cts.

## Holmes' New Imperial Asters.

	Pkt.	Oz.
140 True Comet type; extra large.		
140 Daybreak. Shell-pink.	10	\$3 00
141 Lavender. Charming shade.	10	3 00
142 Purity. Pure white.	10	3 90
143 Sunset. Light pink; deep center.	10	3 00
150 Holmes' Lavender Gem. Delicate color; feathered like an ostrich-plume.	10	2 50

## Holmes' Mikado Asters. Beautifully curved and twisted petals.

	Pkt.	Lge. Pkt.
155 Rochester. Lavender-pink; very large.	15	50
156 White. Midseason; extra large.	15	50
160 Holmes' Rose King. Brilliant rose-color; very large.	15	\$2 50
165 Holmes' Royal Purple. Full-double; handsome; dwarf.	10	2 50
170 Holmes' Violet King. Soft violet-lilac; petals very much twisted and curled.	10	2 00

## Giant Comet Asters. Resemble chrysanthemums; often 6 inches across; petals long and twisted.

175 Rose. Delicate shade.	10	3 00
176 White. Clear and brilliant.	10	3 00
177 Mixed Colors.	10	2 00

## Giant Ostrich-Feather Asters. Petals very much twisted, resembling a handsome plume.

	Pkt.	¼ oz.
180 White.	10	60
181 Rose.	10	60
182 Carmine.	10	60
183 Blue.	10	60
184 Mixed Colors.	10	50

## Giant Late Branching Asters. Extra large flowers. Fine for cutting.

	Pkt.	Oz.
190 White.	05	\$1 50
191 Pink.	05	1 50
192 Purple.	05	1 50
193 Lavender.	05	1 50
194 Crimson.	05	1 50
195 Mixed Colors.	05	1 50

## Holmes' Queen of the Market Asters. Distinct type; very large flowers on long stems. Extra early.

200 Indigo-blue.	05	1 00
201 Red.	05	1 00
202 Rose.	05	1 00
203 White.	05	1 00
204 Mixed Colors.	05	1 00

## AUSTRALIAN STRAW FLOWER. See Helichrysum.

AVENA sterilis. See Grasses.

BACHELOR'S BUTTON. See Centaurea.

BALLOON VINE. See Cardiospermum.

BALSAM, Camellia-flowered (Impatiens Balsamina). Lady Slipper. HHA. 1½ ft. Well-known, old-fashioned garden plant, bearing dainty, double, rose-like flowers on an erect stalk. See, also, Impatiens.

210 Pink.	10	\$1 00
211 Salmon-pink.	10	1 50
212 Scarlet.	10	1 00
213 White.	10	1 50
214 Choice Mixed. All colors.	10	75

BALSAM APPLE; BALSAM PEAR. See Momordica.

219 BARTONIA aurea. HA. 1 ft. Golden-yellow flowers, fragrant in the evening. Deeply cut foliage.	Pkt.	Lge. Pkt.
	10	15

BABY'S BREATH. See Gypsophila.

224 BEANS, SCARLET RUNNER. A. Climbing. Broad foliage and scarlet flowers followed by long, edible beans. Fine for porches.	Pkt.	Pt.
	05	20

BEGONIA. GP. 1 to 1½ ft. Handsome foliage and flowers.

Semperflorens type. Everblooming. For bedding and pot culture.

	Pkt.	Lge. Pkt.
230 Anna Regina. Rose-color.	15	65
231 Zulu King. Blood-red flowers; dark red foliage.	15	65
232 Queen of Carpet Bedders. Red foliage; orange-red flowers; compact in growth.	15	40
233 Vernon. Light red flowers; dark red foliage.	15	30
242 Rex Hybrids. Magnificent, large, odd-shaped foliage; all colors and markings, mixed.	25	65



**BEGONIA—continued**

Tuberous-rooted. For massing in shady places. Pkt. Lge. Pkt.

252 Single Varieties, choice mixed.... 15 65

253 Double Varieties, choice mixed.... 25

See, also, Summer-flowering Bulbs and Roots.

**BELLIS perennis** (English Daisy).

B. 4 in. Dainty little flowers in early spring. Pink and white.

260 Holmes' Mammoth White..... 15 65

261 German Double Mixed..... 15 40

**BLACK-EYED SUSAN.** See Thunbergia.

**BLANKET FLOWER.** See Gaillardia.

**BOSTON IVY.** See Ampelopsis.

266 **BRACHYCOME** (Swan River Daisy).

A. 1 ft. For edging. Mixed.... 05 20

**BRIZA maxima.** See Grasses.

**BROMUS brizaeformis.** See Grasses.

271 **BROWALLIA** (Amethyst). A. 2 ft.

Blue and white flowers. Fine for garden and house blooming..... 05 20

**BUTTERFLY FLOWER.** See Schizanthus.

276 **CACALIA coccinea** (Tassel Flower).

A. 1½ ft. Pretty tassel-like scarlet flowers..... 05

**CALADIUM esculentum.** See Bulbs.

**CALCEOLARIA** (Pocket Flower). GP.

1 to 2 ft. Charming house plants, with curious striped and mottled flowers.

281 **hybrida grandiflora.** Tall; mixed colors..... 25 75

282 **hybrida grandiflora pumila compacta.** Dwarf mixed..... 25 75

283 James' Perfection Strain. All colors; beautifully marked..... 50 \$1 25

**CALENDULA officinalis** (Pot Marigold). A. 1 to 2 ft. Showy garden flowers, constantly in bloom.

288 Prince of Orange. Bright yellow and orange..... Pkt. Oz. 05 25

289 Striped Meteor. Striped orange and cream..... 05 25

290 Double Mixed. Orange, yellow and white..... 05 25

**CALIFORNIA POPPY.** See Eschscholtzia.

**CALLIOPSIS, or COREOPSIS.** 1 to 2 ft. Showy, large, daisy-like flowers.

295 coronata. A. Yellow..... 05 25

296 Golden Wave. A. Yellow..... 05 25

297 Mixed Varieties. A..... 05 25

298 lanceolata (Coreopsis). HP. Brilliant..... 10 50

303 **CALLIRHOE involucrata** (Poppy Mallow).

HP. Trailing. Bright saucer-shaped flowers; crimson, white centers..... Pkt. 10

**CAMPANULA.** Bell-shaped flowers in splendid spikes.

Biennial Varieties: Pkt. Lge. Pkt.

Medium (Canterbury Bells). 2 ft.

Pkt. Lge. Pkt.

308 Blue... 05 30 310 White.... 05 15

309 Pink... 05 15 311 Mixed.... 10 20

**Calycanthema** (Cup-and-Saucer). 2 ft.

Pkt. Lge. Pkt.

316 Blue... 10 30 318 White.... 10 30

317 Pink... 10 30 319 Mixed.... 10 25

**Perennial Varieties:**

**Carpatia** (Harebell). 6 to 8 inches.

Blue..... 05 15

White..... 05 15

324 **Persicifolia grandiflora** (Peach Bells). 4 ft.

White flowers in stately spikes..... 15 30

330 **Pyramidalis** (Chimney Bellflower). 6 ft. Majestic pyramids of blue, bell-shaped flowers..... 05 20

**CANDYTUFT** (Iberis). HA. Clusters of small flowers; fine for borders and cutting. All colors. Pkt. Oz.

340 Holmes' Giant White. 1 ft. Extra fine.... 10 60

341 Carmine. Deep scarlet..... 05 40

342 Crimson..... 05 30

343 Empress. White; extra large..... 10 40

344 Little Prince. White; dwarf; for edges..... 10 50

345 Pink..... 05 40

346 sempervirens. Perennial. White; dwarf.... 10 \$3 00

347 White Rocket. Long, heavy spikes..... 05 25

360 **CANNAS** (Indian Shot). A. 3 to 6 ft. Mostly grown from roots, but can successfully be grown from seed, by cutting seed with a sharp file. Mixed colors. See, also, Bulbs and Roots 05 25

**CANTERBURY BELLS.** See Campanula.

**CARDINAL FLOWER.** See Lobelia cardinalis.

365 **CARDIOSPERMUM halicacabum** (Balloon Vine; Love-in-a-Puff). HHA. Pretty and graceful climber, with white blossoms and balloon-like seed-pods. 10 25

**CARNATION, Marguerite.** A. 1½ ft. Well-known garden flowers of spicy fragrance..... Pkt. Lge. Pkt.

370 Red..... 10 40 372 Striped... 10 40

371 Scarlet... 10 40 373 White.... 10 40

374 Finest Mixed. All colors..... 10 25

**CARNATION.** 1½ ft. Florist's greenhouse sorts.

377 Fancy Extra Choice. Mixed colors..... 10 50

378 Choice Double..... 10 50

379 Fancy Picotee. Mixed colors..... 10 50

**CARPET-OF-SNOW.** See Alyssum.

**CASTOR-OIL PLANT.** See Ricinus.



Group of Double Annual Pinks, see page 44

		Pkt. Lge. Pkt.	
<b>CELOSIA.</b> A. 1 to 2 ft. Brilliant bedding plants, with unique flowers. Fine for pots.		Pkt.	Lge. Pkt.
383 Dwarf Feathered. Rose-colored.....	05	05	25
384 Glasgow Prize (Crimson Comb). Crested....	05	05	25
385 Thompsoni magnifica. Yellow and red.....	10	10	25
386 Dwarf Mixed. Low-growing; mixed colors....	05	05	15
387 Extra Fine Mixed. All kinds.....	05	05	25
<b>CENTAUREA Cyanus</b> (Cornflower, or Bachelor's Button). HA. 1 to 3 ft. Handsome old-fashioned flowers.		Pkt.	Oz.
392 Emperor William. Blue; extra large.....	05	05	50
393 Double Blue. Very large; handsome.....	10	10	\$1 50
		Pkt. Oz.	
394 Pink..... 05 25	396 Single Mixed...	05	25
395 White..... 05 25	397 Double Mixed...	05	25
<b>CENTAUREA imperialis</b> (Giant Cornflower). Sweet-scented.		Pkt.	Lge. Pkt.
400 Deep Rose.....	10	10	75
401 Lavender.....	10	10	75
402 Lilac.....	10	10	75
403 Brilliant Pink.....	10	10	75
404 Purple.....	10	10	75
405 White.....	10	10	75
406 Choice Mixed.....	10	10	60
<b>CENTAUREA, White-leaved.</b> (Dusty Miller). For edges.		Pkt.	500 Seeds
410 gymnocarpa. Finely cut; silvery gray.....	10	10	20
411 candidissima. Broad leaves, cut.....	10	10	30
415 <b>CENTAUREA moschata</b> (Sweet Sultan). Hand-some, fragrant purple and white flowers....	05	05	Lge. Pkt. 25
<b>CHEIRANTHIUS.</b> See Wallflower.			
<b>CHIMNEY BELLFLOWER.</b> See Campanula.			
<b>CHINESE BELLFLOWER.</b> See Platycodon.			
<b>CHINESE PRIMROSE.</b> See Primula.			
<b>CHIRYSANTHEMUM.</b> HP. 1½ to 3 ft.			
420 Double Mixed. All colors; autumn.....	20	20	65
421 frutescens (Marguerite, or Paris Daisy). White, with yellow disc.....	10	10	20
422 Shasta Daisy, "Alaska." White, on long stems	20	20	65
<b>CIGAR PLANT.</b> See Cuphea.			
<b>CINERARIA.</b> GP. 6 to 18 inches. Handsome house plants, with brilliant round flowers of many colors.			
427 Holmes' Prize Strain. Mixed colors.....	35	35	75
428 James' Giant Strain. Mixed colors.....	50	50	1 25
429 Prize Dwarf. All colors.....	35	35	74
430 Prize Medium Tall. Mixed colors.....	35	35	75
431 hybrida, Choice Mixed. Splendid selection..	25	25	65
432 stellata hybrids. Mixed colors.....	50	50	1 25
433 plenissima. Dwarf; double; mixed.....	05	05	25
<b>CINERARIA, White-leaved.</b> For edging.			
435 maritima candidissima (Dusty Miller).....	05	05	15



		Pkt.	Lge. Pkt.			Pkt.	Lge. Pkt.
CINNAMON VINE. See Bulbs.				DIAMOND FLOWER. See Ionopsisium.			
445	CITRIODORA (Lemon Verbena). TP. Pale green, lemon-scented foliage.	10		DIANTHUS (Pinks). B. 1 ft. Charming, clove-scented flowers of the old time gardens. See, also, Carnations.			
450	CLARKIA. A. 1½ ft. Graceful sprays of various colored flowers.	05	15	Double Varieties:		Pkt.	Lge. Pkt.
455	CLEMATIS. HP. Climbing vines of rapid growth, paniculate (Japan Virgin's Bower). Great profusion of sweet-scented, small white flowers. Large flowered. See under Climbing Plants.	05	20	550	Chinensis. All colors mixed.	05	15
458	CLEOME pungens (Spider Plant). A. 4 ft. Bushy plant with odd pink flowers.	05	20	551	Dwarf Snowball. White.	05	20
	COBAEA scandens (Cup-and-Saucer). A. 20 ft. rapid climber, bearing quaint cup-and-saucer-like flowers.	05	30	552	Dwarf Fireball. Blood-red; globe-shaped.	10	20
463	White.	05	15	Single Varieties:			
464	Violet-blue.	05	15	557	Salmon Queen. Salmon-pink; fringed.	05	20
	COCKSCOMB. See Celosia.			558	stellarius (Star Pink). Mixed colors.	05	15
	COIX lachryma. See Grasses.			559	Japonicus. "Eastern Queen." Fringed.	05	20
	COLEUS. GS. 2 ft. Handsome plants, with foliage of many colors curiously marked and splashed.	05	30	560	Dainty. White.	05	15
469	Large-leaved. Bronzy foliage.	15	65	561	plumarius, "Pheasant's Eye." Dark center.	05	15
470	Finest Mixed. All colors.	10	50	562	scotius (Florist's Pink). Mixed.	10	20
	COLUMBINE. See Aquilegia.			563	lacinatus Mixed. All colors.	05	15
	CONEFLOWER. See Rudbeckia.			564	Large White. Resembles a Carnation.	05	20
	CONVOLVULUS. See Morning-Glory.			569	Barbatus (Sweet William).	05	20
	COREOPSIS. See Calliopsis.			570	Holmes' Giant Double Mixed.	05	20
	CORNFLOWER. See Centaurea.			571	Brilliant Red.	05	20
	COSMOS. A. 2 to 6 ft. Handsome, stately plants, with feathery foliage, bearing multitudes of brilliant flowers late in the season. Pinch tips of plants when a foot high to induce bushy growth.	05	75	572	Pure White.	05	20
475	Holmes' Mammoth Perfection. Mixed colors; flowers very large and round.	Pkt.	Oz.		Perfection. Single; mixed colors.	05	20
476	Lady Lenox. New. Large, shell-pink.	05	\$1 25	DICTAMNUS fraxinella (Gas Plant). HP. 2 ft. Showy border plant; large spikes.		05	15
477	Klondyke. Golden yellow.	10	1 25	582	rosea. Rose-pink.	05	15
478	New Giant Mixed.	05	75	583	alba. White.	05	15
479	White Pond-Lily. 5 inches across.	05	75	DIGITALIS (Foxglove). HP. 4 ft. Majestic spires of tubular flowers of all colors.			
480	Dawn. Dwarf; early; white.	05	75	588	monstroza. Extra large; the spire is surmounted by one large flower.	10	30
481	Mammoth Pink.	05	75	DUSTY MILLER. See Centaurea and Cineraria.			
482	Mammoth Crimson.	05	75	598	ECHINOCYSTIS lobata (Wild Cucumber). HA. Climbing vine. A rampant grower, covered in summer with dainty spikes of white flowers, followed by curious seed-pods.	Pkt.	Oz.
483	Rainbow. All colors in one flower.	05	1 50			05	30
	COWSLIP. See Primula veris.			ELEPHANT'S EAR. See Caladium.			
487	CROTOLARIA retusa (Florida Rattlebox). A. 1½ ft. Golden yellow; much like a sweet pea in shape. Seed-pods rattle.	10		ESCHSCHOLTZIA (California Poppy). HA. 1 ft. Masses of showy poppy-like flowers all summer.			
490	CUPHEA platycentra (Cigar Plant). HHA. 1 ft. Quaint scarlet tubular flowers, with white tips. For baskets.	15		603	Holmes' Mammoth White. White; large.	05	30
	CUP-AND-SAUCER. See Campanula and Cobaea.			604	Hunnemannia. Bush-form; yellow.	05	75
	CUP FLOWER. See Nierembergia.			605	Golden West. Orange-yellow.	05	40
	CUT-AND-COME-AGAIN. See Stocks.			606	Mandarin. Orange-yellow.	10	35
	CYCLAMEN, Holmes' Superb Giants. GP. 9 in. One of the handsomest of all conservatory or house plants, with exquisitely shaped and colored flowers and curiously mottled foliage. Our Cyclamen seed is grown specially for us by the leading expert in England, and we can guarantee its purity and blooming quality.			607	Rose. Carmine-rose.	10	40
492	Duke of Connaught. Crimson.	50	\$1 50	608	Finest Single Mixed. All colors.	05	25
493	Excelsior. White, with red eye.	50	1 50	EULALIA Japonica. See Grasses.			
494	grandiflora alba. White; extra large.	50	1 50	613	EUPHORBIA variegata (Snow-on-the-Mountain). HA. 2 ft. Veined and margined white. Ornamental foliage.	05	30
495	Princess of Wales. Pink.	50	1 50	EVENING-GLORY. See Ipomoea.			
496	Salmon Queen. Salmon-pink.	50	1 50	EVENING PRIMROSE. See Oenothera.			
497	Mixed. All colors.	50	1 25	EVERLASTING FLOWERS. See Xeranthemum.			
498	The regular Giganteum strain of any of the above varieties.	35	1 25	FALSE DRAGON HEAD. See Physostegia.			
502	CYPERUS alternifolius (Umbrella Plant). GP. 2 ft. Graceful house plant with long stems and palm-like foliage.	Pkt.	Lge. Pkt.	FEATHER GRASS. See Grasses.			
	CYPRESS VINE (Ipomoea Quamoclit). A. 20 ft. Graceful climbing vine, with feathery foliage and star-like flowers.	10	50	FEVERFEW. See Matricaria.			
507	White.	Pkt.	Oz.	FLAME FLOWER. See Tritoma.			
508	Scarlet.	05	30	FLORIDA RATTLEBOX. See Crotolaria.			
509	Mixed.	05	25	FLOS ADONIS. See Adonis.			
	CYPRESS, SUMMER. See Kochia.			FLOSS FLOWER. See Ageratum.			
	DAHLIAS. HHA. 2 to 5 ft. Superb, decorative plants, grown mostly from roots, but can be successfully grown from seed. See, also, Bulbs and Roots.			FLOWERING FLAG. See Iris.			
514	Superb Single. Mixed colors and forms.	10	30	FLOWERING MAPLE. See Abutilon.			
515	Double Large Flowering. Mixed varieties.	10	30	FLOWERING TOBACCO. See Nicotiana.			
516	Pompons. Choice mixed; small flowers.	10	30	FORGET-ME-NOT. See Myosotis.			
	DAISY, English. See Bellis perennis.			FOUR O'CLOCK. See Mirabilis.			
	Swan River. See Brachycome.			FOXGLOVE. See Digitalis.			
	Shasta. See Chrysanthemum.			618	FUCHSIA (Lady's Eardrop). GS. 2 ft. Dainty, two-parted flowers, in various colors.	Pkt.	100 Seeds
	Paris, or Marguerite. See Chrysanthemum.					30	50
	DELPHINIUM (Larkspur). Stately spikes of beautiful flowers in June and in fall.			GAILLARDIA (Blanket Flower). 2 ft. Brilliant daisy-like flowers in shades of yellow and orange.			
	Perennial Varieties:			623	Annual Varieties:	Pkt.	Lge. Pkt.
525	Belladonna. 5 ft. Delicate blue.	25	65	624	picta. Mixed colors.	05	15
526	Burbank's Hybrids. 4 to 5 ft. Mixed.	25	50		Lorenziana fl. pl. Mixed colors.	05	15
527	Chinese (D. grandiflorum album). White.	05	15	Perennial Varieties:			
528	formosum. 5 ft. Deep blue.	05	20	626	grandiflora. Mixed colors; brown center.	10	20
529	nudicaule. 18 in. Bright scarlet.	10	50	627	grandiflora compacta. Dwarf.	10	20
530	Zalil. 4 ft. Sulphur-yellow.	10	50	628	Salmon-red. Orange edge.	10	30
531	Mixed. All colors.	05	20	629	sulphurea oculata. Red eye.	10	30
	Annual Varieties:	Pkt.	Oz.	GAS PLANT. See Dictamnus.			
536	Emperor. 3 to 4 ft. Mixed colors.	10	40	GERANIUM (Pelargonium). GS. 1½ ft. The well-known and popular bedding flowers. Grow well from seed.			
537	Tall Rocket. 2 ft. Mixed colors.	05	30	632	Zonal. Mixed colors.	10	20
538	Double Dwarf Rocket. 1 ft. Mixed.	05	25	633	Lady Washington. Mixed. 100 seeds, 75c.	10	
	Giant Hyacinth-flowered:			GLADIOLI. See Bulbs and Roots.			
542	Dark Blue. 2½ ft.	05	60	GLOBE AMARANTH. See Gomphrena.			
543	Shell-pink. 3 ft.	05	60	GLOXINIA. GP. 2 ft. Curious, velvet-throated flowers, handsomely marked, spotted and stained.			
544	White. 3 ft.	05	60	637	Holmes' Tiger-spotted. Gorgeous coloring.	25	75
545	Mixed. 3 ft. All colors.	05	50	638	Mixed Hybrids. Brilliant colors; velvety foliage. See, also, under Bulbs.	25	75
				GODETIA (Satin Flower). A. 1 to 2 ft. Handsome garden plants, in constant bloom.			
				643	Bijou. Blush-pink.	05	15
				644	gloriosa. Blood-red.	05	15
				645	Finest Mixed. All colors.	05	15
				GOLDENROD. See Solidago.			
				GOMPHRENA (Globe Amaranth). A. 1 to 2 ft. Coarse plants, with a profusion of globe-shaped everlasting flowers. For winter bouquets.			
				650	aurea superba. Golden yellow.	05	30
				651	nana compacta. Dwarf; red flowers.	05	30
				652	Mixed. All colors.	05	25
				GOURDS. A. 10 to 30 ft. Climbers of quick growth, bearing yellow flowers and curious seed-vessels.			
				655	Sugar Trough (Sap Bucket). Largest.	05	25
				656	White Egg (Nest Egg). Very useful.	05	25



		Pkt.	Oz.			Pkt.	Lge. Pkt.
<b>GOURDS—continued</b>				<b>LOBELIA.</b> Handsome garden plants; valuable for their blue and white flowers.			
657	Dishcloth (Luffa, or Bonnet Gourd).....	05	25	<b>Annual Varieties:</b>			
658	Mock Orange. The best known.....	05	25	783	compacta alba. White; trailing.....	10	30
659	Mixed Ornamental. All sorts.....	05	20	784	compacta. Mixed colors.....	10	30
<b>GRASSES, Ornamental:</b>				785	Crystal Palace. Dwarf; blue; trailing.....	10	25
665	Avena sterilis (Animated Oats). A. Interesting.	05	15	<b>Perennial Variety:</b>			
666	Briza maxima (Quaking Grass). A. For bouquets.....	05	15	786	cardinalis (Cardinal Flower). Rich cardinal-red.....	10	50
667	Bromus brizaeformis. A. Winter bouquets.	05	15	<b>LOVE-IN-A-MIST.</b> See Nigella.			
668	Coix lachrymae (Job's Tears). Seed resembles tears.....	05	10	<b>LOVE-IN-A-PUFF.</b> See Cardiospermum.			
669	Eulalia Japonica. HP. Beautiful.....	05	15	791	LUNARIA biennis (Honesty; Satin Flower). B. 2 ft. Interesting garden plants, with purple flowers and curious, transparent seed-pods, much used for winter decoration.....	Pkt.	Oz.
670	Gynerium argenteum (Pampas Grass). HP. Fine.....	05	15		LUPINUS (Lupin). A. and HP. 2 ft. Splendid showy plants, bearing fine spikes of pea-shaped flowers of all colors.....	05	40
671	Hordeum jubatum (Squirrel Tail Grass). A. Bushy.....	05	15	796	Annual Varieties. All colors mixed.....	05	20
672	Pennisetum Ruppelianum (Purple Fountain Grass). A. Crimson plumes.....	05	15	797	Perennial Varieties. All colors mixed.....	10	30
673	Stipa pennata. HP (Feather Grass).....	05	15	802	LYCHNIS Chalcedonica (Jerusalem Cross). HP. 2 ft. Fine, showy garden plants, with scarlet cross-shaped flowers in clusters.....	05	40
<b>SPECIAL OFFER.</b> One packet each of the above 9 varieties of Ornamental Grasses, 40 cts. postpaid.				<b>MADAGASCAR PERIWINKLE.</b> See Vinca.			
678	GYPHOPHILA paniculata (Baby's Breath). HP. 3 ft. Small white flowers in sprays forming a misty effect above the plant.....	05	15	<b>MALLOW.</b> See Hibiscus.			
<b>HELIANTHUS (Sunflower). A. and HP. Bold, majestic plants, with large ray flowers.</b>				<b>MARGUERITE.</b> See Chrysanthemum.			
683	cucumerifolius. A. 3 ft. Yellow.....	05	15	<b>MARIGOLD (Tagetes). HA.</b> Favorite garden annuals in all shades of yellow, brown and red. Very free flowering; require sunny situation.			
684	multiflorus. P. 4 ft. Double; golden.....	05	15	<b>Large African Varieties. 3 ft.</b>			
685	"The Dahlia." P. 7 ft. Double; golden.....	05	15	807	Lemon Queen. 3 ft. Lemon-yellow.....	05	\$1 00
686	Silver-leaved. A. 4 ft. Foliage silvery.....	05	15	808	Eldorado. 3 ft. Yellow; large.....	05	1 00
687	Miniature. A. 3 ft. Small; orange-yellow.....	05	15	809	Double Mixed. 3 ft. All shades.....	05	75
692	HELENIUM Bigelovii. HP. 5 to 6 ft. Daisy-like yellow flowers.....	10	30	<b>French Varieties:</b>			
697	HELICHRYSUM (Straw Flower). A. 2 to 3 ft. One of the best "everlasting" flowers. All colors	05	15	814	Legion of Honor. 6 in. Yellow and brown.....	05	75
<b>HELIOTROPE. GS. 2 ft. Beautiful sprays of small flowers of exquisite perfume.</b>				815	Striped Single. 1 ft. Yellow and brown.....	05	50
702	Holmes' Mammoth Blue. Largest of all. Flower heads often measure a foot across.....	10	50	816	Brown-marbled. 1 ft. Red and brown.....	05	50
703	Choice Mixed. All shades; delicious perfume.	10	25	817	Double Mixed. Tall, 18 in. Mixed.....	05	75
708	HESPERIS (Sweet Rocket; Dame's Rocket; Dame's Violet). HP. 2 to 3 ft. Spikes of white, lilac and pink flowers; fragrant.....	05	15	818	Dwarf Striped. Dark brown.....	05	75
<b>HIBISCUS (Mallow). HP. 2 to 3 ft. Magnificent, large, saucer-shaped flowers of exquisite colors.</b>				<b>MARIGOLD, POT.</b> See Calendula.			
713	Golden Bowl. Cream-color; flowers, 6 to 9 in.	05	20	<b>MARVEL OF PERU.</b> See Mirabilis.			
714	moscheutos roseus. Rose-pink.....	05	20	823	MATRICARIA (Feverfew). HA. 2 ft. Showy, double, white flowers; for bedding or pots...	05	40
715	palustris. Pink.....	05	20	<b>MATTHIOLA.</b> See Stocks.			
<b>HOLLYHOCK (Althaea). HP. 4 ft. Majestic spires of flowers of splendid colors.</b>				<b>MAURANDYA. GP. 10 ft. Graceful climber, with foxglove-like flowers.</b>			
720	Chater's Superb Double. Mixed colors.....	10	\$2 00	828	Large-flowering Rose. New.....	05	25
721	Allegheny. Semidouble; mixed; fringed.....	10	1 00	829	Dark Purple.....	05	25
<b>HONESTY.</b> See Lunaria.				830	Fine Mixed. All colors.....	05	25
<b>HORDEUM jubatum.</b> See Grasses.				835	Holmes' Giant Sweet-scented. Golden yellow; very fragrant.....	Pkt.	Oz.
<b>HORN-OF-PLenty.</b> See Datura.				836	Holmes' Dwarf Mached. Red; fragrant.....	10	50
<b>HONEY-SUCKLE.</b> See Climbing Plants.				837	Allen's Defiance. Red; extra choice.....	05	75
<b>HUMBLE PLANT.</b> See Mimosa.				838	odorata grandiflora. Large and fragrant.....	05	15
726	HUMULUS Japonicus variegata (Japanese Hop). A. 20 to 30 ft. Rapid climber, with green and white foliage.....	05	75	839	gigantea. Mixed colors.....	05	30
<b>HYACINTHUS.</b> See Bulbs.				840	Bismarck. Compact plant; large flowers.....	05	2 00
<b>IBERIS.</b> See Candytuft.				841	Giant Pyramidal. Bright red.....	05	50
<b>ICE PLANT.</b> See Mesembryanthemum.				842	Goliath. Red; extra large.....	05	1 50
<b>IMPATIENS (Sultan's Balsam). GS. 2 ft. A charming house plant, with dark green, shining, foliage and bright flowers; always in bloom.</b>				<b>MESEMBRYANTHEMUM (Ice Plant). A. 6 inches. For edging and baskets.</b>			
731	Sultan. Rosy scarlet flowers.....	15	40	847	crystallinum. Foliage icy in appearance.....	Pkt.	Lge. Pkt.
732	Holstil. Bright scarlet flowers.....	15	65	848	tricolor (Wax Plant). Foliage feels icy.....	05	15
<b>IONOPSIDIUM aculea (Diamond Flower). A. 3 in. Splendid rockery plant, with violet flowers.</b>				<b>MEXICAN FIRE BUSH.</b> See Kochia.			
<b>IPOMOEA (Evening-Glory). A. Climbing Vine. Rapid grower, with large flowers opening in the evening or on cloudy days.</b>				853	MIMOSA pudica (Sensitive Plant). A. 18 in. Purplish white flowers; leaves droop when touched.....	05	15
742	noctiflora (Moonflower). White.....	10	75	858	MIMULUS. A. Peculiarly marked flowers.	05	30
743	grandiflora superba. Blue, with white margins	05	25	859	moschatus (Musk Plant). Mixed colors.....		
744	Mexicana grandiflora alba. White.....	05	25	864	tigrinus (Monkey Flower). Resembles a monkey's face.....	05	30
<b>Quamoclit.</b> See Cypress Vine.				<b>MIRABILIS Jalapa (Four-O'Clock; Marvel of Peru). A. Red and yellow flowers all summer, opening four o'clock.</b>			
<b>IRIS (Flowering Flag). 2 ft. Most gorgeous of all the "Flags." Blooms second year from seed.</b>				<b>MOMORDICA. HHA.</b> Climbing, bearing yellow flowers and ornamental fruit of medicinal value.			
750	Kaempferi (Japanese Iris). All colors.....	10	75	869	Balsamina (Balsam Apple). Yellow pods, scarlet seeds.....	Pkt.	Oz.
751	Finest Mixture. Newest Japanese varieties..	10	1 00	870	Charantia (Balsam Pear). Round, pear-shaped pods.....	05	30
<b>JACOEAN LILY.</b> See Amaryllis.				<b>MONKEY FLOWER.</b> See Mimulus.			
<b>JAPANESE HOP.</b> See Humulus.				<b>MONK'S HOOD.</b> See Aconitum.			
<b>JERUSALEM CHERRY.</b> See Solanum.				<b>MONTBRETIA.</b> See Bulbs.			
<b>JERUSALEM CROSS.</b> See Lychnis.				<b>MOURNING BRIDE.</b> See Scabiosa.			
<b>JOB'S TEARS.</b> See Grasses.				<b>MORNING-GLORY (Convolvulus). A. Climbing. The old and well-known climbing vines.</b>			
<b>KENILWORTH IVY.</b> See Linaria.				875	Rochester. Blue, with white eye.....	05	25
756	KOCHIA tricophylla (Summer Cypress, or Mexican Fire Bush). A. 3 ft. Forms a cypress-like hedge, which turns deep red in autumn.....	Pkt.	Lge. Pkt.	876	True Japanese. Mottled and striped.....	05	25
<b>KIDZU VINE.</b> See Pueraria.				877	Fine Mixed. All colors.....	05	10
<b>LADY'S EARDROP.</b> See Fuchsia.				878	tricolor, or minus. Blue; trailing.....	05	20
<b>LANTANA. GS. 2 ft. Verbena-like flowers in shades of yellow, and bronzy reds. Constantly in bloom.</b>				<b>MUSK PLANT.</b> See Mimulus.			
761	Holmes' Mixed Hybrids. All colors.....	Pkt.	Oz.	<b>MYOSOTIS (Forget-Me-Not). 6 in.</b>			
762	Dwarf Mixed. All colors.....	05	20	<b>Biennial Varieties. Bloom first year.</b>			
763	Tall Mixed. All colors.....	10	20	883	alpestris, Victoria. Bright blue; large.....	Pkt.	Lge. Pkt.
<b>LARKSPUR.</b> See Delphinium.				884	Eliza Fonrobert. Large; bright blue.....	10	20
768	LATHYRUS latifolius (Perennial Pea). HP. Climbing Vine. Resemble sweet peas, but last for years. Mixed colors.....	10	30	885	grandiflora alba. Large; white flowers.....	10	25
773	LAVATERA trimestris. A. 2 ft. Glossy foliage and mallow-like red flowers.....	Pkt.	Lge. Pkt.	886	grandiflora rosea. Large pink flowers.....	10	25
<b>LEMON VERBENA.</b> See Citrodora.				887	palustris. True "Forget-Me-Not" blue.....	10	40
778	LINARIA cymbalaria (Kenilworth Ivy). GS. 3 to 6 ft. Trailing plant, with violet flowers. Fine for baskets and window boxes.....	05	30	888	Choice Mixed. All sorts and colors.....	05	20
				<b>Perennial Varieties: Increase each year.</b>			
				893	disitiflora. Deep blue flowers.....	10	40
				894	palustris semperflorens. Everblooming.....	10	30
				<b>MYRSIPHILLUM.</b> See Smilax.			

MR. R. W. EDELBUTE, Lewisberry, Pa., writes: Every seed I purchased from you this year has proved entirely satisfactory. I have been dealing with your house for many years, occasionally getting seed from other parties, but I decided to place my orders where I can get the best seed.





# NASTURTIUM (Tropaeolum)

## DWARF AND CLIMBING

PRICES OF NASTURTIIUMS IN QUANTITY, except Lilliput, Lobbianum, Ivy-leaved and Spencer varieties:  $\frac{1}{4}$  lb. 25 cts., lb. 75cts.

This old favorite flower has been so wonderfully improved of late that the different varieties present an array of colors almost bewildering in their magnificence. They flower most profusely when the soil is not too rich. The climbing varieties form splendid screens, while the dwarf kinds are admirable for borders or in front of shrubbery.

		Pkt.	Oz.			Pkt.	Oz.
<b>Tall or Climbing Varieties:</b>							
900	Chameleon (Coquette). Splashed and bordered.	05	10	980	Prince Henry. White, spotted scarlet.	05	15
901	Coccineum. Scarlet.	05	10	981	Ruby King. Ruby-red.	05	10
902	Coccineum fol. aureis. Yellow foliage.	05	10	982	Rudolph Virchow Scarlet. Brilliant.	05	15
903	Dunnett's Orange (Sunlight). Golden.	05	10	983	Spotted King. Dark yellow, brown spots.	05	15
904	Edouard Otto. Lilac-brown.	05	10	984	Vesuvius. New. Salmon-rose.	05	15
905	Fordhook Fashion. Veined old rose.	05	15	985	Tom Thumb Varieties Mixed. All colors.	05	10
906	Hemisphaericum. Straw; rose blotched.	05	10	Queen of Tom Thumbs. Variegated foliage:			
907	Jupiter. Golden yellow.	05	10	995	Bright Rosy Scarlet. Very bright.	05	10
908	Pearl (Moonlight). Creamy white.	05	10	996	Brilliant Crimson. White veins.	05	15
909	Vesuvius. Salmon-rose.	05	10	997	Chameleon. Variable colors.	05	15
910	Finest Mixed Tall Varieties. All colors.	05	10	998	Crystal Queen. Orange, blotched.	05	10
<b>Lobb's Climbing Varieties. Lobbianum.</b>				999	Deep Orange-Scarlet. New. Brilliant.	05	10
920	Asa Gray. Cream-yellow.	05	15	1000	Golden Yellow. Handsome.	05	10
921	Black Princess. New. Dark maroon.	05	20	1001	Sulphur-Yellow. Very refined.	05	10
922	Brilliant. Bright scarlet.	05	15	1002	Queen of Tom Thumbs Mixed.	05	10
923	Crown Prince of Prussia. Dark blood-red.	05	15	<b>Tom Thumb Spencer Varieties:</b>			
924	Firefly. Orange-yellow.	05	15	1012	David Burpee. Velvety purple-scarlet.	05	25
925	Primrose Cream-White. Maroon spotted.	05	15	1013	Lady Bird. Orange; dark foliage.	05	25
926	Princess Victoria Louise (Margaret). Cream-white, spotted and veined scarlet.	05	15	1014	Riemke Groot. Bright scarlet.	05	25
927	Queen Alexandra. Blood-red; variegated.	10	25	1015	Spencer Mixed. All colors.	05	15
928	Queen Dowager Emma. Crimson; variegated.	10	25	1025	NEMOPHILA insignis (Love Grove). A. 1 ft. Border plants bearing a profusion of cup-shaped flowers, all colors.	Pkt. 05	Lge. Pkt. 15
929	Queen of the Morning. New. Scarlet.	10	25	1030	NICOTIANA affinis (Flowering Tobacco). TP. 3 ft. Showy plants, with broad foliage and fragrant white flowers.	05	15
930	Queen of the North. Yellow; variegated.	10	25	1035	NIEREMBERGIA frutescens (Cup Flower). TP. 1 ft. Bedding plant, with white flowers tinted lilac.	05	20
931	Queen of Spain. Golden yellow; variegated.	10	25	1040	NIGELLA damascena (Love-in-a-Mist). A. 1 ft. Quaint blue flowers surrounded by finely cut foliage, forming a misty effect.	05	15
932	Queen Wilhelmina. Scarlet; variegated.	10	25	1045	OENOTHERA (Evening Primrose). A. 2 to 3 ft. Shrubby plants, bearing a great profusion of brightly colored flowers opening as the sun goes down. Mixed colors.	05	15
933	Rudolph Virchow. Soft, rosy pink.	05	15				
934	Spitfire. Fiery scarlet.	05	10				
935	Finest Mixed Lobbianum Varieties. All colors.	05	10				
<b>Lobbianum Lilliput Hybrids:</b>							
940	Fairy King. White and dark rose.	05	20				
941	Fairy Queen. Yellow, turning to brown.	05	20				
942	Lady Cherry. Dark wine-red.	10	25				
943	Othello. New. Deep red.	05	20				
944	Queen of Holland. Light yellow to purple.	10	20				
945	Rubin. Ruby-red.	05	20				
946	Snow Queen. New. Cream-white.	10	25				
947	Finest Mixed of above. All colors.	05	15				
<b>Lobbianum Ivy-leaved Sorts:</b>							
960	Emma Alida. Yellow and orange; lacinated.	10	25				
961	Mourning Bride. Velvety crimson.	10	25				
962	Prinzessin Juliana. Gold-orange; deeply cut.	10	25				
963	Finest Mixed Ivy-leaved. All kinds and colors.	10	20				
<b>Tom Thumb, or Dwarf Varieties:</b>							
970	Aurora. Terra cotta.	05	10				
971	Bronze. Splendid form.	05	10				
972	Chameleon. Cream-white, spotted scarlet.	05	15				
973	Golden Biotched. With scarlet blotch.	05	10				
974	Golden Midnight. Dark purple.	05	10				
975	Golden Queen. Golden yellow.	05	10				
976	Golden Rose. Pink.	05	10				
977	King of Tom Thumbs. Bright scarlet.	05	10				
978	Lady Bird. Orange, spotted scarlet.	05	15				
979	Pearl (Moonlight). Cream-yellow.	05	15				

## PANSIES

See Page 47

1164	PASSIFLORA caerulea (Passion Vine). TP. 8 to 10 ft. Interesting vine, with blue, wax-like flowers.	Pkt. 05	Lge. Pkt. 25
PETUNIAS. These are among the most easily grown of all garden annuals and furnish a magnificent succession of brilliant flowers.			
1170	New Fimbriata, Canary Bird. Beautifully fringed flowers of distinct yellow, deeper in throat.	Pkt. 15	$\frac{1}{4}$ Oz. \$1 75
1171	Holmes' Defiance. Extra large; all colors.	10	1 25
1172	New Star. Perfect star in center; all colors.	10	1 00
1173	Holmes' Fancy Fringed. All colors.	10	1 00
1174	Double Giant. Large, 250 seeds, \$1.75.	25	
1175	Hybrids, Finest Mixed, oz., \$1.	05	





Bugnot's Exhibition



Cassler's Very Large-flowered Blotched

## PANSIES

For a number of years we have been selling our **Superb Mixtures of Different Varieties of Pansies**, and, without a single exception, we have had the most flattering reports on the many beautiful varieties and colors never before seen by our customers in other mixtures, obtained elsewhere. We give a complete list of the different varieties in the mixtures that we are handling, and which include all the varieties obtainable from the best growers in Germany and other countries.

		Pkt.	Oz.			Pkt.	Oz.
1046	<b>Holmes' Non Plus Ultra.</b> The richest mixture ever sent out, and containing the Blotched and Masterpiece varieties in greatest proportion; very effective.	25	\$10 00				
1047	<b>Large-flowered Parisian.</b> Mostly light colors; very gay and pretty.	10	2 00				
1048	<b>Giant French Large-stained.</b> Beautiful and very effective.	10	2 25				
1049	<b>Princess.</b> New, quite compact, upright-growing weatherproof class of Pansies, mostly blotched, and some frilled flowers; very valuable.	15	8 00				
1050	<b>Holmes' Triumph of the Giants.</b> Robust, compact-growing plants; flowers enormous in size, of rich and rare colors.	15	8 00				
1051	<b>Holmes' Mammoth Five-blotched.</b> Magnificent extra-large flowers, superbly marked.	10	5 00				
1052	<b>Holmes' Giant Masterpiece.</b> Enormous flowers, 4 inches across, with ruffled edges and distinct colors and markings.	10	7 00				
1053	<b>Bugnot's Giant Spotted.</b> Color radiates on margin of petals; beautifully spotted.	10	5 50				
1054	<b>Mme. Perret.</b> Great American Giant, "Red, White and Blue."	10	3 00				
1055	<b>Odier Five-spotted Beauties.</b> Of perfect form and wondrous beauty.	10	3 00				
1056	<b>Goliath Cattleya Orchid-flowered.</b> Exquisite.	10	3 50				
1057	<b>Giant Trimardeau.</b> Enormous in size and great variety of colors.	10	2 00				
1058	<b>Trimardeau Giant Spotted Parisian.</b> Extra large; gorgeous colors.	10	2 50				
1059	<b>Cassier and Trimardeau Mixture.</b> Superb mixture of large flowers.	10	2 25				
1060	<b>Very Fine Mixture,</b> composed of all the separate varieties. Remarkably showy.	10	1 25				
1061	<b>Holmes' Large-flowering, Mixed</b> (Butterfly Mixture)	10	2 00				
1062	<b>English Pansies, Mixed</b> (the old "Faced Pansy"). Plants of compact habit.	10	2 00				
1063	<b>French Faced, Mixed.</b>	10	2 00				
1064	<b>Cassier's Very Large-flowered Blotched.</b> The largest flowered class of Blotched Pansies. Our famous, very showy and especially rich strain; quality unsurpassed.	10	3 50				
1065	<b>Bugnot's Superb Blotched.</b> A very beautiful class. Large flowers, with broad blotches, many having the two upper petals finely lined; great variety of handsome and rare colors.	10	3 50				
1066	<b>Bugnot's Exhibition.</b> Saved from best selected plants. An incomparable strain, producing many beautiful and rare varieties.	15	8 00				
1067	<b>Bugnot's Dark Brown Shades.</b>	15	8 00				
1068	<b>Raphael (Benary).</b> New; blue veins and dark violet spots on white ground; beautiful varieties.	25	\$10 00				
1070	<b>Auricula-flowered, Prince Bismarck.</b> Light blue, striped rosy lilac.	10	1 50				
1071	<b>King of Blacks.</b> Violet-blue.	10	1 50				
1072	<b>Giant Cassier, Hortensia Red.</b> New.	10	3 00				
1073	<b>Giant Marmorata.</b> Marbled on purple, red and crimson ground.	10	2 50				
1074	<b>Odier Five-spotted Yellow.</b> Magnificent.	10	6 00				
1075	<b>Odier Five-spotted White.</b> Extra fine.	10	6 00				
1076	<b>Psyche.</b> Velvety violet on white; curled.	10	6 00				
1077	<b>Giant Vulcan.</b> Dark red; five black blotches.	15	7 00				
	<b>Giant Trimardeau, separate colors:</b>						
1087	<b>Adonis.</b> Light blue.	10	2 00				
1088	<b>Atropurpurea.</b> Dark purple.	10	2 00				
1089	<b>Fire King.</b> Brilliant yellow and purple.	10	2 00				
1090	<b>Canary Bird.</b> Golden yellow.	10	2 00				
1091	<b>Indigo-Blue.</b> Very rich color.	10	2 00				
1092	<b>Emperor William.</b> Ultramarine-blue.	10	2 00				
1093	<b>Lord Beaconsfield.</b> Purple and lavender.	10	2 00				
1094	<b>Pearcock.</b> Blue, edged white.	10	2 00				
1095	<b>White with Eye.</b> Black center; showy.	10	2 00				
1105	<b>Crimson King.</b> Very brilliant.	10	2 25				
1106	<b>Mauve Queen.</b> Dainty mauve.	10	2 25				
1107	<b>Snowflake.</b> Dazzling white.	10	2 25				
	<b>PHLOX Drummondii.</b> 6 in. to 1 ft. Among the best of all garden plants, producing masses of flowers of dazzling colors constantly all summer.						
	<b>Annual Varieties:</b>						
1185	<b>Holmes' Large-flowering.</b> Mixed colors.	10	75				
1186	<b>Starred and Fringed.</b> Charming in shape; all colors.	10	75				
1187	<b>Meteor.</b> Brilliant scarlet.	05	75				
1188	<b>alba.</b> White flowers.	05	80				
1189	<b>Apricot.</b> Beautiful shades.	05	2 50				
1190	<b>Shell-pink.</b> Very dainty.	05	75				
1191	<b>Dwarf Compact.</b> All colors.	05	1 40				
1192	<b>Splendid Mixed.</b> All colors and kinds.	05	50				
	<b>Perennial Variety:</b>						
1200	<b>decussata.</b> 2 ft. All colors; flowers in splendid panicles.	05	1 50				
1210	<b>PHYSOSTEGIA denticulata</b> (False Dragon head). P. 3 to 4 ft. Spikes of tubular flowers of all colors.	Pkt. 10	Lge. Pkt. 20				
	<b>PINKS.</b> See Dianthus and Carnations.						
	<b>PLATYCODON</b> (Chinese Bellflower). HP. 2 ft. Splendid hardy garden plants bearing beautiful blue and white bell-shaped flowers in profusion.						
1215	<b>grandiflorum.</b> Blue; large flowers.	05	15				
1216	<b>grandiflorum album.</b> White flowers.	05	15				
1217	<b>Japonicus fl. pl.</b> (Double Japanese Bellflower). Deep blue.	15	40				



POCKET FLOWER. See Calceolaria.

POPPIES (Papaver). Brilliant and showy garden flowers, growing freely from seed. Sow where intended to bloom, as they will not stand transplanting.

#### Annual Varieties, Single:

	Pkt.	Oz.
1225 Brilliant.. Dazzling red.....	05	30
1226 Danebrog. Scarlet; silvery white spot....	05	25
1227 Dwarf Shirley. Beautifully variegated.....	05	30
1228 Maid of the Mist. White; fringed.....	05	30
1229 Japanese Dwarf. Mixed colors.....	05	30
1230 Tulip-flowered. Mixed colors; tulip-shaped.	05	50

#### Annual Varieties, Double:

	Pkt.	Oz.
1240 Cardinal. Hybrids; scarlet; enormous size.	05	20
1241 Golden Gate. All colors; magnificent.....	05	20
1242 Improved Carnation-flowered. Fringed flowers; all colors.....	05	20
1243 Peony-flowered. Splendid flowers; all colors.	05	25

#### Perennial Varieties:

	Pkt.	Oz.
1250 Oriental Giant. Enormous; brilliant.....	05	75
1251 bracteatum. Brilliant scarlet, black spot....	05	\$1 00
1252 nudicaule (Iceland Poppy). Brilliant.....	20	75
1253 Mixed Hybrids. Gorgeous large flowers....	10	1 00

POPPY MALLOW. See Callirhoe.

PORTULACA. A. Trailing. Forms a brilliant display of many-colored flowers, surmounting peculiar heavy foliage. Sow where they are to bloom when ground is warm.

	Pkt.	Lge. Pkt.
1263 Finest Single Mixed. All colors.....	05	15
1264 Double Rose-flowered Mixed. All colors....	05	50

PRIMULA (Primrose). 6 in. to 2 ft. Most beautiful greenhouse and garden plants, with dainty flowers of all colors. Our seed is saved from the finest specimens and is unexceptionally pure.

#### Fringed Chinese Varieties:

	Pkt.	Lge. Pkt.
1270 Holmes' Prize Mixture. Contains only the very finest varieties. Seed selected from prize-winning plants.....	25	75
1271 alba magnifica. White, with yellow eye....	35	75
1272 Brilliant Red. Magnificent color.....	35	75
1273 Holborn Blue. Brilliant shade.....	35	75
1274 Kermesina splendens. Crimson.....	35	75
1275 Rosy Morn. Tender pink.....	35	75

#### Obconica gigantea Varieties:

	Pkt.	Lge. Pkt.
1280 lilacina. Pale lilac.....	20	65
1281 rosea. Brilliant pink.....	20	65
1282 Kermesina. Bright crimson.....	20	65
1283 alba. Pure white.....	20	65
1284 Hybrids, Mixed. All colors.....	20	65

#### Obconica grandiflora Varieties:

	Pkt.	Lge. Pkt.
1290 compacta. Dwarf; rosy lilac.....	25	65
1291 vimbrata. Fringed; all colors.....	10	65
1292 Vesuvius. Dark crimson.....	25	65

#### Miscellaneous Varieties:

	Pkt.	Lge. Pkt.
1297 Buttercup. New. Yellow; for pots.....	25	65
1298 Forbesi (Baby Primrose). Rosy lilac.....	25	65
1299 malacoides. New. Lilac; in clusters.....	25	65

#### Hardy Varieties:

	Pkt.	Lge. Pkt.
1304 cortusoides Sieboldii. Mixed colors; for garden or pots.....	15	65
1305 veris (English Cowslip). Mixed colors; old and well known.....	10	20
1306 vulgaris (English Primrose). Canary yellow. The common hardy Primrose of gardens....	10	40

1310 PUERARIA Thunbergiana (Kudzu Vine). HP. Climber. The fastest growing vine known. Immense heart-shaped leaves and purple pea-shaped flowers.....

PURPLE FOUNTAIN GRASS. See Grasses.

	Pkt.	Lge. Pkt.
1315 PYRETHRUM roseum. HP. 2 ft. Rose-colored, daisy-like flowers.....	10	25

QUAKING GRASS. See Grasses.

RED-HOT POKER. See Tritoma.

RESEDA. See Mignonette.

RICHARDIA (Calla). See Bulbs.

RICINUS (Castor-Oil Plant). A. 6 to 12 ft. Magnificent foliage plants with enormous leaves and clusters of beans.

	Pkt.	Oz.
1320 Holmes' Giant. Enormous brown leaves. 15 ft.....	10	50
1321 Zanzibariensis. Very large leaves, varying from light green to purplish red. 10 ft.....	05	15
1322 Borboniense. 15 ft. Tall; green leaves.....	05	15
1323 Mixed. All kinds and colors.....	05	15

ROSES, All Kinds. See Hardy Roses.

ROSE CAMPION. See Agrostemma.

	Pkt.	Lge. Pkt.
1328 ROSEMARINUS officinalis (Rosemary). HP. 2 ft. Shrub-like plant, with fragrant foliage and blue flowers. Yields aromatic oil.....	05	25

RUDBECKIA (Coneflower). HP. 2 to 3 ft. Strong-growing plants, bearing great numbers of ray flowers on long stems.

	Pkt.	Lge. Pkt.
1333 laciniata (Golden Glow). Bright yellow.....	05	20
1334 purpurea. Reddish purple, brown disc.....	05	20
1335 superba. Yellow with brown disc.....	05	15

SALPIGLOSSIS (Velvet Flower). HHA. 18 in. Beautiful orchid-like flowers, exquisitely marked and veined.

	Pkt.	Lge. Pkt.
1340 Emperor. New. Wondrous gold-veined flowers in clusters.....	05	40
1341 superbissima variabilis. New. Many colors, veined with gold.....	05	30
1342 Mixed Hybrids. All colors and markings....	05	25

SALVIA (Flowering Sage). HHA. Most showy of all garden flowers, bearing great masses of brilliantly colored blossoms in spikes.

	Pkt.	Lge. Pkt.
1347 Bonfire (Clara Bedman). Scarlet.....	10	30
1348 Ball of Fire. Dwarf; early; scarlet.....	15	40
1349 splendens (Scarlet Sage). Brilliant.....	05	30
1350 Zurich. Crimson-scarlet; dwarf.....	15	40

SAND VERBENA. See Abronia.

SATIN FLOWER. See Godetia.

SCABIOSA (Mourning Bride). HHA. 2 ft.

	Pkt.	Lge. Pkt.
1355 Easily grown garden plants.	05	15
1356 Double Black. Black-purple.....	05	15
Dwarf Double Mixed. All colors.....	05	15

SCARLET SAGE. See Salvia.

	Pkt.	Lge. Pkt.
1360 SCHIZANTHUS Wisetonensis (Butterfly Flower). HHA. 18 in. Orchid-like flowers of all colors.....	05	65

SENSITIVE PLANT. See Mimosa.

	Pkt.	Oz.
1365 SMILAX (Myrsiphyllum asparagoides). GP. Climbing. Delicate greenhouse climber, with heart-shaped leaves.....	10	15

SNAPDRAGON. See Antirrhinum.

	Pkt.	Lge. Pkt.
1370 SOLANUM capsicastrum (Jerusalem Cherry). GP. 1 ft. Handsome pot-plant for the house, with yellow flowers followed by scarlet cherry-like seed-pods.....	05	40

	Pkt.	Lge. Pkt.
1375 SOLIDAGO Canadensis (Goldenrod). HP. 3 ft. The well-known wild flower of autumn, with golden plumes.....	05	50

SPEEDWELL. See Veronica.

SPIDER PLANT. See Cleome.

SQUIREL-TAIL GRASS. See Grasses.

	Pkt.	Lge. Pkt.
1380 STOKESIA Cyanea (Stokes' Aster). HP. 1 1/2 to 2 ft. Splendid aster-like flowers of pale blue. Always in bloom.....	10	\$2 50

STRAW FLOWER. See Helichrysum.

	Pkt.	Lge. Pkt.
1385 Princess Alice. Pure white; double.....	10	40
1386 Holmes' New Largest-flowering Globe Pyramidal. Mixed.....	10	50
1387 Emperor. Extra large; mixed colors.....	10	60

SUMMER HYACINTH. See Bulbs.

SUNFLOWER. See Helianthus.

SWAN RIVER DAISY. See Brachycome.

SWEET ALYSSUM. See Alyssum.

## 1390 NEW RED SUNFLOWER

The plants grow strong and sturdy to a height of 7 to 9 feet—according to the richness of the soil and the sunny warmth of location—producing several large flowers of refined form, the rays wide and long, the disc or center, small. The coloring varies from golden-yellow, splashed with red, to nearly all red, but the great majority will be Gaillardia colored, that is a wide or narrow zone of red surrounds the purplish-black center, the ends or tips of the petals being of a rich golden-yellow color; this combination is very rich and effective. Of course a small proportion of the plants may produce all yellow flowers, but even these will be showy and desirable.

The seed may be sown in the open ground when warm enough—or it may be started in the house or hotbed. The plants commence flowering in about eight weeks from seed sowing, and should stand not nearer than three feet apart for best development.

Price, per Packet, 15c.



## SWEET PEAS

All our strains of Sweet Peas are grown especially for us by one of the best experts in the country, and we can recommend them as being absolutely fresh and true to name. The new types listed below will be a revelation to the lover of Sweet Peas, as they are of size, color and form never dreamed of before by the enthusiast.

### BEST SPENCER VARIETIES.

	Pkt.	Oz.	1/4 lb.	Lb.
CREAM-YELLOW SHADES				
1400 Primrose Spencer.....	05	40	\$1 25	\$4 00
DEEP ROSE, or PINK SHADES				
1406 Beatrice Spencer.....	05	25	75	2 50
1407 George Herbert.....	05	25	75	2 00
1408 Helen Lewis.....	05	35	1 00	3 50
LIGHT PINK SHADES				
1415 Blanche Ferry Spencer.....	05	40	1 25	4 00
1416 Countess Spencer.....	05	25	75	2 50
1417 Mrs. Routzahn Spencer.....	05	40	1 25	4 00
MAROON SHADES				
1420 Othello Spencer.....	05	35	1 00	3 00
WHITE SHADES				
1425 White Spencer. Pure white.....	05	40	1 25	4 00
1430 Holmes' Superb Spencers, Mixed. All colors.....	05	35	1 00	3 00



## SWEET PEAS—continued

## UNWIN WAVED VARIETIES

LAVENDER SHADES				
	Pkt.	Oz.	¼ lb.	Lb.
1435 Frank Dolby .....	05	35	\$1 00	\$3 00
LIGHT PINK SHADES				
1440 Gladys Unwin.....	05	20	50	1 50
ROSE-PINK SHADES				
445 Phyllis Unwin.....	05	25	75	2 00
WHITE SHADES				
1450 Nora Unwin. Pure white.....	05	25	75	2 00
1455 Holmes' Superb Unwin's Mixed. All colors.....	05	20	50	1 50

## LARGE-FLOWERING GRANDIFLORA TYPES

This list contains the best of the standard Sweet Peas, with large, expanded or hooded petals.

DARK BLUE SHADES				
	Pkt.	Oz.	¼ lb.	Lb.
1460 Navy Blue.....	05	15	40	\$1 00
DEEP PINK SHADES				
1465 Coccinea.....	05	15	40	1 00
1466 Janet Scott.....	05	25	75	2 00
LAVENDER AND BLUE SHADES				
1470 Countess of Cadogan.....	05	15	35	75
1471 Helen Pierce.....	05	20	50	1 50
1472 Mrs. Walter Wright.....	05	15	35	75
LIGHT PINK SHADES				
1480 Agnes Eckford.....	05	20	50	1 50
1481 Blanche Ferry.....	05	15	40	1 00
1482 Blanche Ferry, Extra Early.....	05	15	40	1 00
1483 Katherine Tracy.....	05	15	40	1 00
1484 Lovely.....	05	15	40	1 00
1485 Prince of Wales.....	05	15	40	1 00
MAROON SHADES				
1490 Black Knight.....	05	15	40	1 00
1491 Othello.....	05	15	40	1 00
ORANGE SHADES				
1500 Henry Eckford.....	05	15	40	1 00
1501 Miss Willmott.....	05	15	35	75
PRIMROSE SHADES				
1505 Hon. Mrs. E. Kenyon.....	05	15	35	75
RED SHADES				
1510 America.....	05	15	40	1 00
1511 George Gordon.....	05	15	35	75
1512 King Edward VII.....	05	15	40	1 00
1513 Queen Alexandria.....	05	15	40	1 00
VIOLET AND PURPLE SHADES				
1520 Duke of Westminster.....	05	15	40	1 00
WHITE SHADES				
1525 Blanche Burpee. Pure white.....	05	15	40	1 00
1526 Dainty.....	05	15	40	1 00
1527 Dorothy Eckford. Pure white.....	05	15	40	1 00
1528 Lottie Eckford.....	05	15	40	1 00
1529 Phenomenal.....	05	15	40	1 00
1535 Holmes' Superfine Mixture. All colors.....	05	15	40	1 00

## FOR CHRISTMAS FORCING

	Pkt.	Oz.	¼ lb.	Lb.
1540 Burpee's Early White.....	05	25	75	\$2 00
1541 Christmas Meteor. Scarlet.....	05	25	75	2 00
1542 Christmas Pink.....	05	25	75	2 00
1543 Earliest of all. Pink and white.....	05	25	75	2 00
1544 Mont Blanc. Pure white.....	05	25	75	2 00
1545 Mrs. C. H. Totty. Pale mauve.....	05	25	75	2 00
1546 Mrs. E. Wild. Bright rose.....	05	25	75	2 00
1547 Mrs. G. Lewis. Pure white.....	05	25	75	2 00
1548 Mrs. Wm. Sim. Salmon-pink.....	05	25	75	2 00
1555 Holmes' Christmas. Mixed. All colors.....	05	15	50	1 50
SWEET ROCKET. See Hesperis.				
SWEET SULTAN. See Centaurea.				
SWEET WILLIAM. See Dianthus.				
TACETES. See Marigold.				
TASSEL FLOWER. See Calceola.				
TOUCH-ME-NOT. See Impatiens.				
1560 TIIUNBERGIA (Black-eyed Susan). A. Climber. Bears a profusion of flat white, yellow and orange flowers, with bold black centers.....	Pkt.	Lge. Pkt.		
1563 TRITOMA (Flame Flower; Red-Hot Poker). TP. 3 ft. Long, compact spikes of orange-scarlet flowers. Brilliant and showy.....	05	20		
UMBRELLA PLANT. See Cyperus.				
VELVET FLOWER. See Salpiglossis.				
VERBENA. HA. 1½ to 2 ft. The well-known old favorites of the garden, with flat clusters of fragrant flowers of all colors. Always in bloom.	Pkt.	Oz.		
1565 Extra Choice Mixed. Specially selected seed..	05	\$1 50		
1566 Holmes' Mammoth. Extra large mixed.....	10	1 50		
1567 Scarlet Defiance. Brilliant color.....	05	2 00		
1568 Pure White. Very choice.....	05	2 00		
1569 Blue with White Eye. Extra fine.....	05	2 00		
1570 Blood-Red, White Center.....	10	2 00		
1571 Auricula-flowered. Mixed colors.....	15	2 00		

1581 VERONICA spicata (Speedwell). HP. 18 in. Pkt. Fine border plant; long spikes of blue flowers. VINCA (Madagascar Periwinkle). 1 ft. Dwarf bedding plants, with glossy green foliage and dainty flowers.	10	Lge. Pkt. 30
1586 alba. White with rose eye.....	10	20
1587 alba pura. Pure white.....	10	20
1588 rosea. Rose with dark eye.....	10	20
1589 Mixed. All colors.....	10	20
VIOLET, Sweet-scented (Viola odorata). TP. 6 in. The favorite fragrant flowers, blooming all season. Seed germinates slowly.	Pkt.	Lge. Pkt.
1595 Single Blue Czar. Dark blue.....	10	40
1596 Single White Czar. Large; white.....	10	40
1597 Single Mixed. Both colors.....	10	40
VIRGIN'S BOWER. See Clematis.		
WALLFLOWER (Cheiranthus). TP. 18 in. Handsome garden plant, bearing spikes of fragrant flowers.		
1605 Fine German, Double. All colors; selected seed.....	20	40
1606 Single Mixed. All colors; brilliant.....	05	15
WAX FLOWER. See Mesembryanthemum.		
WILD CUCUMBER. See Echinocystis.		
WIND FLOWER. See Anemone.		
WISTARIA. See Climbing Plants.		
1616 XERANTHEMUM (Everlasting Flower). A. 2 ft. Interesting plants bearing peculiar straw-like flowers; fine for winter decorations. Double mixed.....	05	15
YARROW. See Achillea.		



## Holmes' Improved Giant Large-flowering Double Zinnias

ZINNIA (Youth and Old Age). A. Favorite garden flowers; among the easiest to grow and bloom.

For many years we have been working on a strain of Giant Zinnias, as many of these beautiful flowers would run back to the small type. The strains from abroad seem to give the poorest flowers. This year our seed was grown in Colorado, and to our surprise we had flowers ranging in size from 4½ to 5½ inches across. The illustration above shows a flower which measures 5½ inches across and had to be reduced to go in our catalog.

	Pkt.	Oz.
1626 Mammoth (Robusta Plenissima). Flowers of mammoth size, perfectly formed, very double and of striking colors; a fine strain; 2½ feet.....	10	\$1 00
1627 Flesh-pink. Delicate shade.....	10	1 25
1628 Crimson. Very rich.....	10	1 25
1629 Canary. Clear yellow.....	10	1 25
1630 Jacqueminot. Rich crimson.....	10	1 25
1631 Purple.....	10	1 25
1632 Scarlet. Bright and fiery.....	10	1 25
1633 White. Pure white.....	10	1 25
Dwarf Varieties; 18 in.:		
1634 Snowball. Pure white.....	05	75
1635 Fireball. Brilliant red.....	05	75
1636 Pompon. Smaller flowers, all colors.....	05	75
1637 Mixed. All kinds and colors.....	05	60



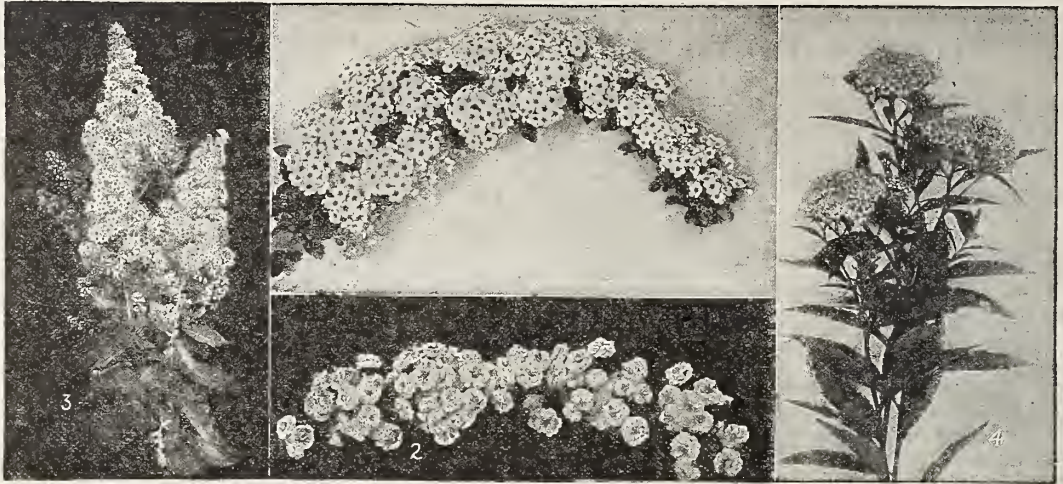
The Spireas include a great variation in flower and foliage effects.

No. 1 represents the type of flowers produced by the varieties Van Houttei and Reevesiana.

No. 2 is the old-fashioned Bridal wreath.

No. 3 Flowers of this type are borne by varieties Billardi, Billardi alba, Douglasi, Salicifolia and Tomentosa. They differ in color.

No. 4 represents flowers of varieties Bumalda and Anthony Waterer.



## Ornamental Flowering Shrubs

No ornamental plants possess such a wide range of usefulness as flowering shrubs.

They may be planted in masses, borders, or as individual specimens. The lower growing varieties make a much better effect in masses, for their beauty lies more in the volume of bloom than in the single flower. These low-growers are also best for border or hedge planting.

The tall sorts, and those with large, showy flowers, are more attractive when used as specimen plants. Among this latter class the Lilacs are perhaps the most representative.

Most of the different species of shrubs are hardy. In fact, all those in our list are perfectly at home in Harrisburg and for many miles north of the city.

### Azaleas

**AZALEA ARBORESCENS.** (FRAGRANT WHITE AZALEA.) A pleasing shrub bearing an abundance of white pinkish tinged flowers.

8 to 12 inches.....	Each	Per 10
	85	\$5 50

**A. MOLLIS.** (CHINESE AZALEA.) This species of Azalea is hardy, and the numerous varieties give excellent results in this latitude. They can be used in many ways—either as specimens on the lawn, massed in foundation plantings, or in corners of walks, etc. Many colors are shown in the various varieties.

1 to 1½ feet.....	Each	Per 10
	\$1 50	\$12 75

### Crataegus. Hawthorn

**CRATAEGUS OXYCANTHA.** (ENGLISH HAWTHORN.) A shrub or low tree bearing an abundance of single white flowers. The foliage is bright green.

2 to 3 feet.....	Each	Per 10
3 to 4 feet.....	50	\$4 00
4 to 6 feet.....	70	5 50
	85	6 75

**C. OXYCANTHA ALBA PLENO.** Like the preceding, except the flowers, which are double.

4 to 5 feet.....	Each	Per 10
	\$1 00	\$8 00



Deutzia

### Deutzias

A family of profuse-flowering shrubs, that includes both dwarf and tall-growing varieties. The dwarf sorts are suited for planting in the foreground of the shrubby border, while the upright-growing varieties serve very well in the background.

**DEUTZIA GRACILIS.** A hardy shrub bearing an abundance of white flowers in June.

2 to 3 feet.....	Each	Per 10
	75	\$5 50

**D. LEMOINEI.** A low-growing shrub, with slender spraylike branches. Produces an abundance of white flowers in May.

3 to 4 feet.....	Each	Per 10
	75	\$5 50

**D. PRIDE OF ROCHESTER.** For general planting, and especially in this locality, this variety is considered best of the Deutzias. The flowers are large and double, white with a faint tinge of pink. It is a profuse bloomer.

3 to 4 feet.....	Each	Per 10
4 to 5 feet.....	75	\$6 00
	85	7 00

**D. SCABRA.** Low-growing shrub, bearing white single bell-shaped flowers.

3 to 4 feet.....	Each	Per 10
4 to 5 feet.....	75	\$6 00
	85	7 00

### Diervilla. Weigelas

An important group, indispensable for ornamental planting. They thrive in any soil; are strong growers and generally hardy. When young, of upright habit; growing with age into more graceful shrubs. Useful as specimens and desirable for groups or masses. In May or June the Weigelas are aglow with a wealth of flowers borne all along their branches, and some varieties flower sparingly even through the summer.

**EVA RATHKE.** The best red-flowered kind; almost a continual bloomer.

2 to 3 feet.....	Each	Per 10
	75	\$6 00

### Euonymus

**EUONYMUS JAPANESE.** This shrub possesses a striking individuality. It is particularly ornamental and interesting on account of its curious corky bark. The small, delicate flowers of late spring are followed by attractive red berries in the fall. It is also valuable on account of its autumn foliage, which is scarlet.

3 to 4 feet.....	Each	Per 10
4 to 5 feet.....	\$2 50	\$21 00
	4 00	30 00

**E. EUROPAEUS.** (EUROPEAN BURNING BUSH.) Grows to considerable size; bears numerous rose-colored seed capsules in autumn.

3 to 4 feet.....	Each	Per 10
		\$1 00





Forsythia

## Hibiscus. Althea, or Rose of Sharon

These shrubs are very desirable on account of their blooming all summer. In the varieties mentioned below many of the different colors are represented.

**ALBA PLENA.** Flowers are double white with crimson center.

	Each	Per 10
2 to 3 feet.....	35	\$2 25
3 to 4 feet.....	45	2 75
4 to 5 feet.....	55	4 00

**DOUBLE ROUGE.** Large double, dark red flowers.

	Each	Per 10
2 to 3 feet.....	35	\$2 25

**JOAN OF ARC.** Considered the best. The flowers are large, double and pure white.

	Each	Per 10
2 to 3 feet.....	35	\$2 25

**TOTUS ALBUS SIMPLEX.** Numerous single white flowers.

	Each	Per 10
2 to 3 feet.....	35	\$2 25
3 to 4 feet.....	40	2 75
4 to 5 feet.....	55	4 00

## Hydrangeas

No class of shrubs is better known than the Hydrangeas, because they include some of the most showy flowering plants that are found in cultivation. They transplant easily, have no insect enemies, and, with the exception of the Hortensis varieties, are reliably hardy. A crowning feature is that they bloom during the comparatively flowerless months of July to September.

**HYDRANGEA JAPANESE BLUE (HORTENSIA).** (HILLS OF SNOW.) Many people consider this the best Hydrangea. The foliage is green, with bluish markings on under side.

In June and July this shrub bears a multitude of large snowy-white flowers.

	Each	Per 10
2 to 3 feet.....	75	\$5 00

**H. PANICULATA GRANDIFLORA.** A handsome variety commencing to bloom in June and lasting until early fall. Flowers are pure white, which change to pink as the season advances. Can be used in either hedge, mass or specimen planting.

	Each	Per 10
2 to 3 feet.....	\$1 25	\$11 00



Hydrangea



## Lonicera. Honeysuckle

**LONICERA XYLOSTEUM.** A vigorous shrub bearing an abundance of white flowers. In autumn numerous scarlet berries make their appearance.

	Each	Per 10
3 to 4 feet.....	75	\$5 00
4 to 5 feet.....	85	6 00

**L. MORROWI.** Bears snowy-white flowers, followed by reddish fruits in August.

	Each	Per 10
2 to 3 feet.....	65	\$5 00

## Philadelphus. Mock Orange

**PHILADELPHUS CORONARIUS.** (COMMON MOCK ORANGE.) Bears fragrant white flowers in May and June.

	Each	Per 10
3 to 4 feet.....	65	\$5 00

**P. LEMOINEI.** (AVALANCHE.) A graceful shrub, with slender drooping branches covered with snowy-white flowers.

	Each	Per 10
2 to 3 feet.....	65	\$5 00

## Spirea

Indispensable shrubs of easy culture that differ so in size, character and time of bloom that there are varieties suited for almost every purpose. This group includes some of the most popular old-fashioned shrubs. The summer-flowering varieties are particularly valuable because they are attractive when few other shrubs are in flower. All varieties do best in moist, fertile soils and sunny exposures.



**Philadelphus Lemoinei** (Mock Orange)



**Viburnum Tomentosum Plicatum** (Snowball)

**ANTHONY WATERER.** A dwarf variety rarely exceeding a foot in height. From June until frost it is a solid mass of rosy crimson flowers.

	Each	Per 10
2 to 3 feet.....	65	\$5 00

**Opulifolia, Var. Aurea.** A striking variety with bright yellow leaves, changing in summer to a beautiful bronzy yellow.

	Each	Per 10
3 to 4 feet.....	75	\$5 00
4 to 5 feet.....	85	6 00

**S. DOUGLASI.** A tall grower. Beautiful rose-colored flowers are borne in late summer.

	Each	Per 10
2 to 3 feet.....	60	\$5 00
3 to 4 feet.....	75	6 00

**S. THUNBERGII.** A graceful grower, bearing dense clusters of pure white flowers in early spring.

	Each	Per 10
2 to 3 feet.....	60	\$4 75

**S. VAN HOUTTEI.** Useful bush, growing to about 6 feet. The flowers are pure white. This variety is equally valuable for planting either as specimen or in hedges.

	Each	Per 10
2 to 3 feet.....	65	\$5 00

## Syringa. Lilacs

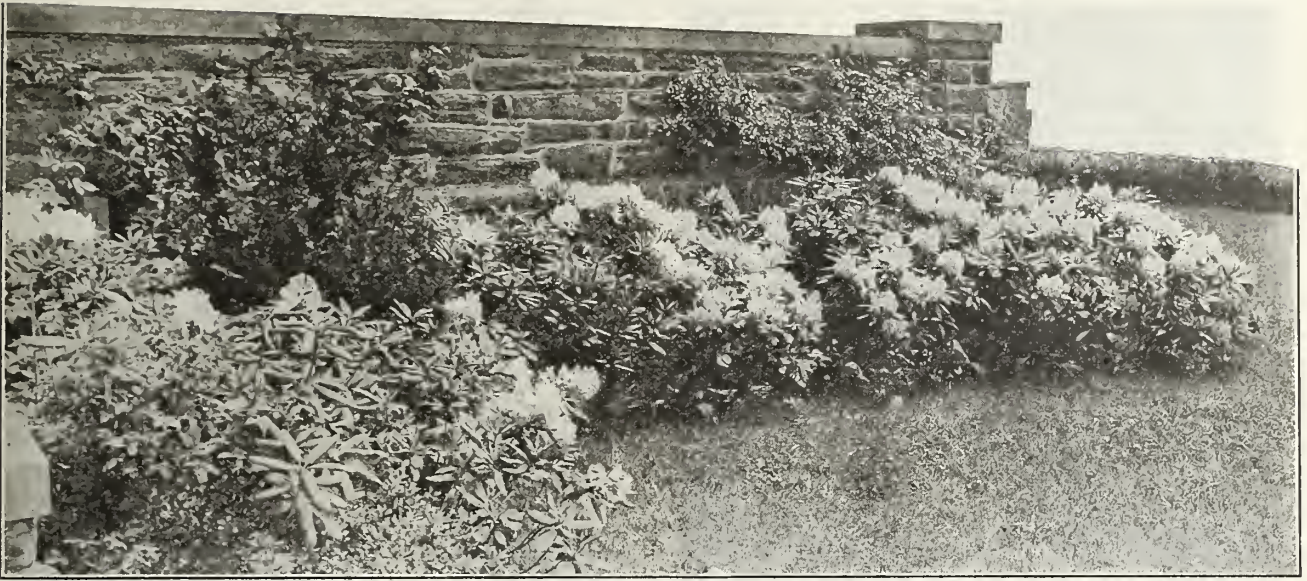
**S. VULGARIS.** (COMMON LILAC.) This class of Lilacs is more largely planted than any other. Several colors are found in the different varieties—white, light purple, dark purple, etc.

	Each	Per 10
2 to 3 feet.....	85	\$7 00

**MADAME LEMOINE.** A handsome variety, bearing large white flowers.

	Each	Per 10
2 to 3 feet.....	85	\$7 00





Rhododendrons

## Viburnum. Snowball

**VIBURNUM LANTANA.** (WAYFARING TREE.) Flowers are white and borne in large clusters.

	Each	Per 10
4 to 5 feet.....	75	\$5 00

**V. TOMENTOSUM PLICATUM.** (JAPANESE SNOWBALL.) May. One of the best ornamental shrubs. It bears abundant white balls of bloom that have a beautiful setting in the deep green leaves. When a single specimen is wanted there is nothing more attractive. It is just as effective, however, in groups or the shrubbery border.

	Each	Per 10
2 to 3 feet.....	\$1 25	\$ 8 50
3 to 4 feet.....	1 75	14 00

## Evergreen Shrubs

### Buxus. Boxwood

**BUXUS SEMPERVIRENS.** A pleasing plant either for the lawn, edging a path, or for use as tub specimens. The foliage is dense, dark green and aromatic when bruised.

	Each	Per 10
1¼ to 1½ feet.....	\$1 35	\$11 00
1½ to 2 feet.....	2 25	15 00
2 to 2½ feet.....	2 75	24 75

**BOXWOOD, PYRAMIDAL.** (BUXUS SEMPERVIRENS.) Trimmed to pyramidal form. Popular for planting as individual specimens in tubs, or on the lawn.

	Each	Per 10
18 inches.....	\$1 25	\$ 8 50
2 feet.....	1 75	13 50
2½ feet.....	2 25	16 00

**B. SUFFRUTICOSA.** A low-growing variety, suitable for edging walks where it creates a pretty appearance.

	Per 10	Per 100
12 inches.....	\$1 25	\$ 8 50
18 inches.....	2 25	16 00

## Kalmia. Mountain Laurel

**KALMIA LATIFOLIA.** Grows to about 8 feet. Bears numerous rosy-red flowers in June.

	Each	Per 10
8 to 12 inches.....	\$1 25	\$8 50

## Ilex. Holly

**ILEX CRENATA.** (JAPANESE HOLLY.) A low-growing shrub, with small glossy green leaves. This variety can be trained in almost any shape by judicious pruning.

	Each	Per 10
2 to 3 feet.....	\$2 00	\$15 00

## Rhododendrons

The Rhododendron is a well-known shrub and it is widely planted in many sections of the country. It is easy to grow, does not require much care and when in bloom it can not be surpassed for beauty and appearance. Many variations of color are found in the different varieties, and a selection from the following list will be almost sure to satisfy you.

### Sizes and Prices of Hybrid Rhododendrons

	Each	Per 10
1½ to 2 feet.....	\$1 25	\$11 00





A Neat Hedge of *Ligustrum Ovalifolium* (California Privet)

## Suitable Shrubs for Hedges

Many people are now planting hedges instead of building fences which neither add to the appearance or value of the home grounds. With hedges the direct opposite is true, for a home, planted on either side with an attractive, well-kept hedge, is sure to be worth more money than a home where a fence is used between your grounds and those of your neighbor's. In the following list are numerous hedge plants which are easy to keep in order and are well adapted to this locality.

### Berberis. Barberries

**BARBERRY THUNBERGII.** (THUNBERG'S, OR JAPANESE BARBERRY.) This is without doubt one of the best plants for hedge; for regardless of whether it is given attention or not the effect is always good. Barberry can be planted and allowed to grow naturally. An excellent effect is attained if you prune this plant, for with this variety you can make a hedge of almost any design or shape. The leaves are small, dark green and change to red in fall. The plant bears a mass of bright scarlet fruit which remains through the winter.

	Each	Per 10	Per 100
1 to 1½ feet.....	25	\$1 75	\$13 00
1½ to 2 feet.....	35	2 00	15 00
2 to 3 feet.....	45	3 00	18 00

**B. VULGARIS PURPUREA.** (PURPLE BARBERRY.) The foliage of this hedge plant is violet purple, which color is strongly marked when this variety is planted near shrubs that have green foliage.

	Each	Per 10	Per 100
2 to 3 feet.....	75	\$6 00	\$40 00

**B. VULGARIA.** (COMMON EUROPEAN BARBERRY.) An excellent hedge plant, also useful in mass planting. In early summer it bears numerous yellow flowers, and in autumn an abundance of orange-scarlet fruits.

	Each	Per 10	Per 100
1½ to 2 feet.....	35	\$2 25	\$16 50

### Ligustrum. Privet

**LIGUSTRUM OVALIFOLIUM.** (CALIFORNIA PRIVET.) A vigorous, low-growing plant that will stand any amount of pruning. The leaves are large, glossy dark green and remain on the plant until late winter. Makes a very dense hedge.

	Per 10	Per 100	Per 1000
8 to 12 inches.....	50	\$3 00	\$20 00
1½ to 2 feet.....	75	5 00	30 00
2 to 3 feet.....	\$1 00	6 00	40 00

Extra Bushy, Grown Especially for Screen Planting

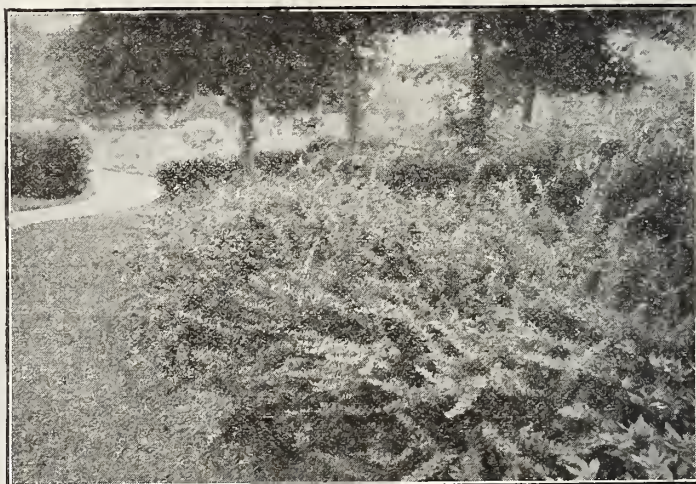
	Per 10	Per 100	Per 1000
3 to 4 feet.....	1 25	7 00	55 00
4 to 5 feet.....	1 50	8 50	70 00

### Thuya. Arborvitae

**THUYA OCCIDENTALIS.** (COMMON AMERICAN ARBORVITAE.) An excellent plant for hedges if it receives a little pruning. Fully described and priced under Evergreen Trees (see page 51).

**TSUGA CANADENSIS.** (CANADIAN HEMLOCK.) Grows to considerable height and is unexcelled for wind breaks and screens. Will stand any amount of pruning and can be trained into different shapes as wished. Fully described and priced under Evergreen Trees (see page 51).

Send us a sketch of your place, and allow us to send you blue prints and prices how to beautify your grounds at the least expense.



Thunberg's Barberry, whether pruned or not, makes a very attractive hedge





Clematis Paniculata

## Ornamental Vines

### Ampelopsis

**AMPELOPSIS QUINQUIFOLIA.** (VIRGINIA CREEPER.) A handsome vine which grows to considerable height. The leaves are large, green in summer, changing to scarlet in fall. Excellent for arbors, trellises and walls.

	Each	Per 10
3 to 4 feet.....	75	\$ 7 00
4 to 5 feet.....	\$1 25	10 00

**A. VEITCHII.** (JAPANESE OR BOSTON IVY.) A quick-growing vine, bearing clusters of small purplish blue berries. The leaves are large, green in summer, changing to golden yellow in fall.

	Each	Per 10
4 to 5 feet.....	75	\$7 50

### Bignonia

**BIGNONIA GRANDIFLORA.** (TRUMPET VINE.) A shrubby vine, not growing very tall. It is favorite with many people all over the country.

	Each	Per 10
2 to 3 feet.....	60	\$5 00

### Clematis

**CLEMATIS PANICULATA.** A strong-growing vine with light green foliage. In late summer it bears numerous fragrant white flowers. This vine is one of the best in our list.

	Each	Per 10
2-year field grown.....	75	\$7 50

### Aristolochia

**Aristolochia siphon.** (DUTCHMAN'S PIPE.) Large, handsome foliage.

	Each	Per 10
4 to 5 feet.....	\$1 00	\$9 00

### Periploca

**Periploca Graeca.** (SILK VINE.) Purple flowers in July.

	Each	Per 10
4 to 5 feet.....	60	\$5 00

### Celastrus. Bittersweet

The ornamental berries of these vines make them very attractive during the fall and early winter months.

**C. scandens.** (NATIVE BITTERSWEET.)

	Each	Per 10
4 to 5 feet.....	\$1 25	\$9 50

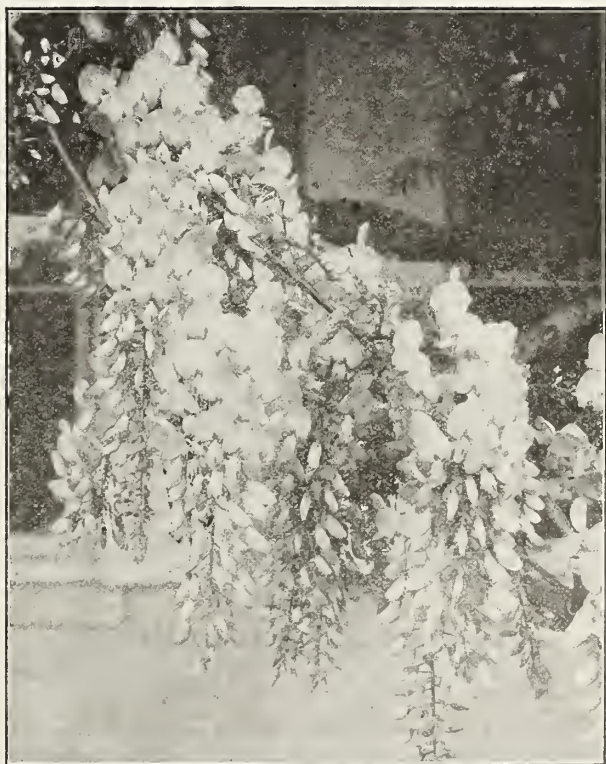
### Wistaria

**WISTARIA CHINENSIS.** (CHINESE WISTARIA.) The leaves are medium sized, pale green, and quite numerous. The flowers are sky-blue, borne in long clusters in early summer.

	Each	Per 10
4 to 5 feet, strong, stocky plants.....	\$1 10	\$9 50

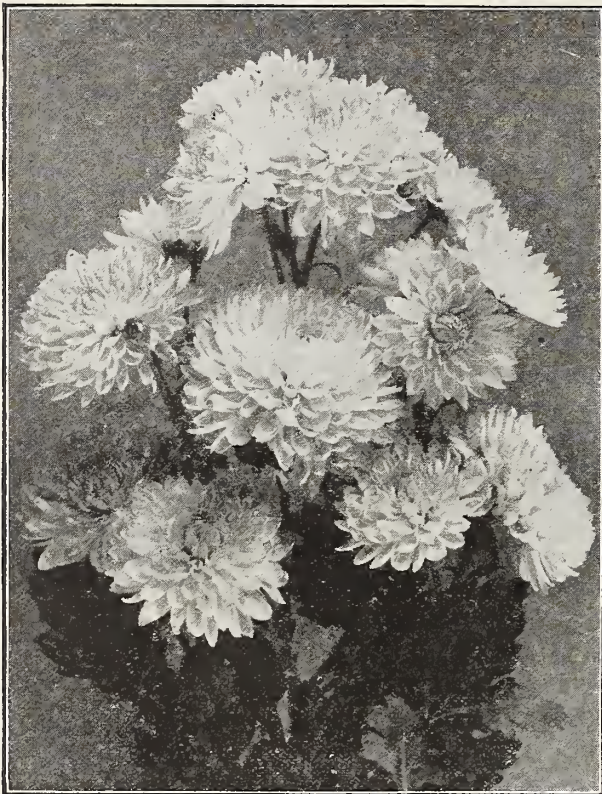
**WISTARIA CHINENSIS ALBA.** (WHITE CHINESE WISTARIA.) In many respects similar to the preceding except that the flowers are white.

	Each	Per 10
4 to 5 feet, very stocky plants.....	\$1 65	\$11 00



Wistaria Chinensis





Chrysanthemum

## Plants that Live from Year to Year

This class of plants, familiarly known as old-fashioned hardy garden flowers, has come into public favor in recent years so rapidly as to astonish even the most sanguine enthusiast. Their popularity is not at all surprising when we consider the many varied and pleasant changes which take place throughout the entire growing season in a well-arranged hardy border, in which every week, yes, almost every day, brings forth something fresh and new.

15 cts. each; \$1.50 per doz., except where noted.

### Achillea

**A. PTARMICAFLORE PLENO.** (THE PEARL.) Large clusters of pure white flowers blooming all summer. Excellent for cut flowers.

### Anemone

**A. JAPONICA.** (JAPANESE WIND FLOWERS.) Very pleasing perennials, beginning to bloom in early August and continuing until cut down by hard frost. The varieties in our list contain many different colors.

**A. ALBA.** Snow-white.

**A. PRINCE HENRY.** Double rich pink; free blooming.

**A. QUEEN CHARLOTTE.** Large double flowers of silvery pink; extremely beautiful.

Each, 20 cts.; per doz., \$2.00.

**ALYSSUM SAXATILE COMPACTUM.** (GOLDEN TUFT.) 1 foot. One of the brightest spring flowers. Excellent plant for rockery or border. Flat heads of yellow flowers in April and May.

### Aquilegia. Columbine

**A. CHRYSANTHA.** This is the well-known golden spurred Columbine.

**A. VULGARIS.** A double flowering form. Violet-blue.

**ARABIS ALPINA.** (ROCK CRESS.) A very low-spreading plant, completely covered with pure white flowers in April and May. Indispensable for rockeries, etc.

**BAPTISIA AUSTRALIS.** (FALSE INDIGO.) Spikes of dark blue flowers, about 2 feet high in June and July. A splendid, strong-growing plant, with deeply cut foliage.

**BOLTONIA ASTEROIDES.** 5 feet. In their season the Boltonias are one of our showiest herbaceous plants. They resemble the asters in form, but bloom earlier and more profusely. White. August to September.

**CAMPANULA MEDIUM.** (CANTERBURY BELLS) May and June. 3 feet. Large bells in panicles in shades of blue, pink and white.

**COREOPSIS LANCEOLATA GRANDIFLORA.** 3 feet. June to September. One of the most popular hardy plants. The flowers are a rich golden-yellow and invaluable for cutting; the main crop comes during the latter part of June, but it continues in bloom the entire summer and autumn.

## Hardy Chrysanthemums

Plants from 2-inch pots

LARGE-FLOWERING, OR ASTER VARIETIES

75 cts. per doz., \$4.00 per 100

**Ashbury.** Sulphur white. For cut flowers.

**Austin.** Lilac rose; cut petals.

**Bohemia.** Fine, pure yellow. For cut flowers.

**Bradshaw.** Silver pink; large, full flowers.

**Daisy Anderson.** Reddish bronze; dwarf.

**Eldorado.** Bright golden open center. Eleanor. Dwarf; fimbriated petals; white.

**Elkton.** Light pink full large flowers.

**Excellence.** Pure white; tall grower.

**Excelsior.** Bright orange yellow; long stems.

**Findom.** Violet rose.

**Fred J.** Red orange. For cut flowers.

**Germania.** Large flowers; straw white, long stems.

**Gertrude.** Pure white, open center.

**Globe d'Or.** Dwarf, clear yellow.

**Hero.** Clear pink; large flowering.

**Hester.** Pearl white, shaded flesh.

**Jerry.** Rose lilac.

**Julia Lagravere.** Crimson maroon. For cut flowers.

**Kenneth.** Pure white; large flowers.

**Lady Naylor.** White.

**Lelia.** Bright brick red.

**Lilian Doty.** The finest pink in the large-flowered section of the entire Pompon family.

**Lorely.** Large full flowers; yellow, tinged pink.

**Miss Emma.** Golden bronze; tall.

**Mrs. Porter.** Bright bronze. For cut flowers.

**Peto.** Rich bronze.

**Queen of Bul.** Violet rose.

**Queen of Whites.** Fine, creamy white; long stems.

**Rebecca.** Orange yellow.

**Salem.** Silver rose; long, quilled petals.

**Silver Queen.** Light silver pink.

**Susquehanna.** Clear, lemon yellow.

**St. Elmo.** Splendid white. For cut flowers.

**St. Illoria.** Silver rose; quilled petals. For cut flowers.

**The Hub.** Fine white; open center. For cut flowers.

**Triomphe d'Or.** Rich, golden yellow.

**Viola.** Rich violet rose.

**Windless.** Rich orange yellow; large flowers.

## Delphiniums

**DIANTHUS BARBATUS.** 1½ to 2 feet. The perennial garden is not complete without some of these attractive old-fashioned plants. In May and June they flower in clusters of red, pink, white and many pretty variations.

**DIGITALIS GLOXINIAEFLORA.** Familiar old-fashioned plants that grow 3 to 4 feet high and flower in June. Assorted colors of rose, purple and white, beautifully spotted.



Delphinium



**DELPHINIUMS—Continued**

**GAILLARDIA GRANDIFLORA.** (BLANKET FLOWER.) 2 feet. This plant is at home in any soil, and has qualities that make it a leader among herbaceous plants. Good for cutting. Its gorgeous colorings of scarlet crimson and vermilion stand out in a bright, attractive way when planted among other perennials in the border. Flowers continuously from June until frost.

**GYPSOPHILA PANICULATA.** A beautiful old-fashioned plant, possessing a grace not found in any other perennial. It forms a symmetrical mass, 2 to 3 feet in height, and as much through; of minute, pure white flowers, having a beautiful, gauzelike appearance. For cutting purposes it is exquisite. August and September.

**HELENIUM, RIVERTON BEAUTY.** 3 to 4 feet. Flowers lemon-yellow, with a large, purplish black cone. August to October.

**Hollyhocks**

Everyone knows these old garden plants. We have them in various colors; they make beautiful perennial hedges and backgrounds for other plants. In colonies about house foundations and in garden corners they scarcely have an equal. All varieties, 20 cts. each, \$1.50 per doz.

**DOUBLE-FLOWERING HOLLYHOCKS.** Very perfect in form and preferred by most planters. We offer them in colors: red, pink, white, rose, yellow and maroon.

**ALLEGHENY HOLLYHOCKS.** This is a separate strain, with very large flowers, having fringed petals and come in varied colors that are most attractive.

**SINGLE-FLOWERING HOLLYHOCKS.** Some still prefer this type, which we offer in assorted colors.

**Japanese Iris**

Order by Name or Number

All varieties of Japanese Iris, 25 cts. each, \$2.50 per doz.

3 KUMONA-NO-SORA. White; purple veins.

12 KOK-NO-IRO. Large; royal purple.

17 O-YODO. Rich purple.

20 KUMA-FUNJIN. Silvery white, margined with magenta-lilac.

30 KIMI-NO-NEGUMI. Standards dark blue, edged with white; falls white.

35 SHISHI-ODORI. Purple.

48 TORA-ODORI. Light blue, yellow center; standards various shades of blue; six petals.

50 DATE-DOGU. Lavender, shading to white toward the center; yellow. center.

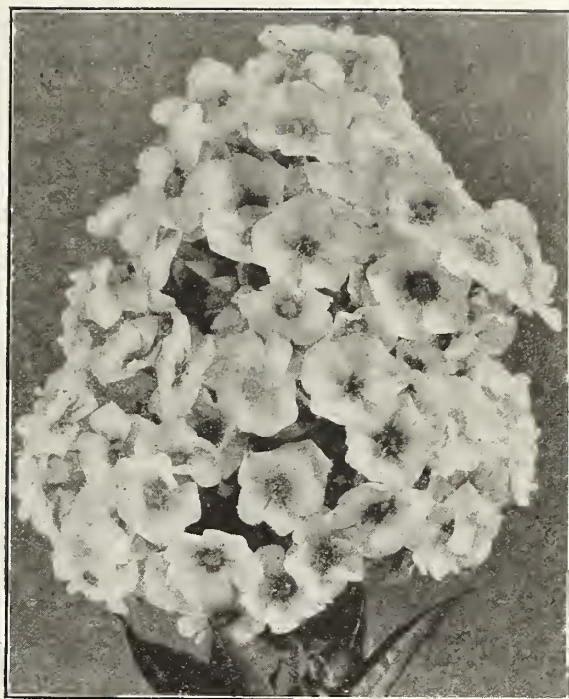
**German Iris**

All varieties, 15 cts. each, \$1.50 per doz.

ADONIS. A deep blue; fine, and earliest to flower.

BLUE SKY. Standards faint lavender; falls yellow and purple.

CHARLOTTE PATTY. Standards golden yellow; falls lightly veined with maroon.



Phlox

**FAIRY QUEEN.** Late flowering; white; falls veined with blue.

**GARRICK.** Standards delicate light blue; falls dark violet. A late-blooming variety.

**GRACINE.** Standards lemon-yellow; falls purplish, veined with white; very handsome.

**LEOPOLD.** Bronze; falls veined with maroon.

**MADAME DE BONNE.** Pure yellow.

**MADAME DE BRABANT.** Standards lavender; falls purple. Late blooming.

**REINE DE PAYS.** Standards saffron-yellow; falls carmine-maroon, lightly veined.

**Hardy Phlox**

Among hardy perennial plants no class is of more importance than the Phloxes, succeeding in almost any soil and position, flowering from July to October, and while they will continue in good condition and flower for many years without attention, yet they respond quickly to and are improved by liberal cultivation. Named varieties, early and late growing 18 to 36 inches high.

**PHYSOSTEGIA VIRGINICA.** 3 feet. A splendid summer-flowering perennial, with long spikes of showy soft, pink flowers, valued for bouquets.

**PLATYCODON GRANDIFLORA.** (BALLOON FLOWER, OR CHINESE BELL-FLOWER.) 2 feet. The attractive blue flowers are cup-shaped. Blooms during the entire summer and is useful for the front of the border.

**RUDBECKIA LACINIATA FL. PL.** (GOLDEN GLOW.) 5 to 6 feet. From July to September the tall stems are aglow with golden-yellow, dahlialike flowers.

**STATICE LATIFOLIA.** (SEA LAVENDER.) Great, airy panicles of lavender-colored flowers all summer. A dwarf plant, with flower spikes about 18 inches high.

**STOKESIA CYANEA.** (CORNFLOWER ASTER.) 1½ to 2 feet. This perennial is esteemed for its all-round good qualities. Grows very vigorously; has large, blue, asterlike flowers, which measure 1½ to 2 inches across. August and September.

Any of above 15 cts. each, \$1.50 doz.

**Salvia**

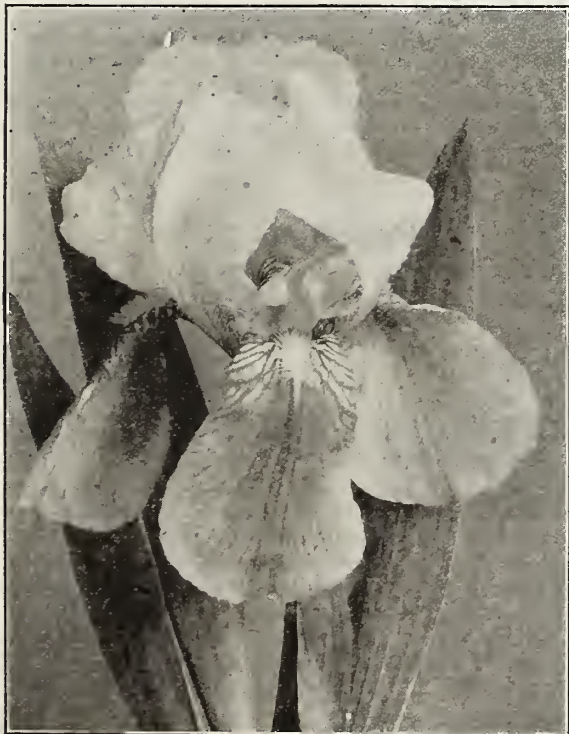
**AZUREA GRANDIFLORA.** Grows 2 to 3 feet high, producing a profusion of sky-blue flowers in August and September.

**Tritoma**

**UVARIA GRANDIFLORA.** (RED-HOT POKER.) Large brilliant crimson spikes borne on stalks 3 to 4 feet high; blooms in late summer and autumn.

**Yucca**

**Y. FILAMENTOSA.** (ADAM'S NEEDLE.) A hardy ornamental plant, with broad swordlike leaves; branching spikes of large, fragrant, pure white flowers; blooms June and July.



German Iris



# FRUIT TREES

So many people have inquired of us for fruit trees, that this year we have added to our catalogue a long list of Apples, Peaches, Pears, etc. Of course, there are many varieties of each that are not given here, but we don't care to deviate from our usual custom of selling only what we know to be all right. There is not a fruit listed in this catalogue that we would not plant ourselves. Therefore, any selection you make from those given here may be fully relied on. They are tested and tried sorts, and the kinds that always "make good," whether it be in the home garden or commercial orchard.

## Apples

Prices of Two-Year Budded Apple Trees:

	Each	Per 10	Per 100
3 to 4 feet.....	30	\$2 00	\$13 50
4 to 5 feet.....	40	2 50	16 50
5 to 6 feet.....	50	3 00	22 00

✓ **JULY.** (FOURTH OF JULY.) An excellent red Apple, fit for use in early summer.

✓ **RED ASTRACHAN.** Summer. Skin red; flesh delicious.

✓ **RED JUNE.** (CAROLINA RED JUNE.) Summer. Red. An excellent eating Apple.

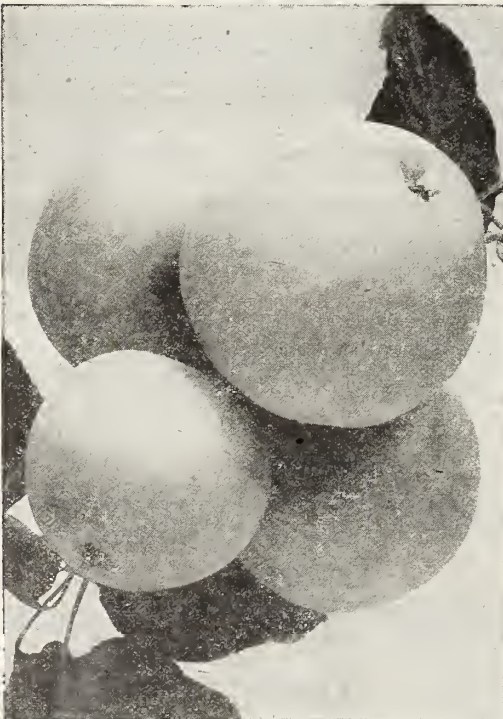
✓ **WILLIAMS.** (WILLIAMS' EARLY RED.) Summer. A reddish Apple of large size; flesh is tender, juicy, and possesses a pleasing flavor.

✓ **YELLOW TRANSPARENT.** Summer. A handsome Apple that grows well all over the country. Fruit is large; skin is yellowish; flesh is tender, juicy, and possesses a good flavor.

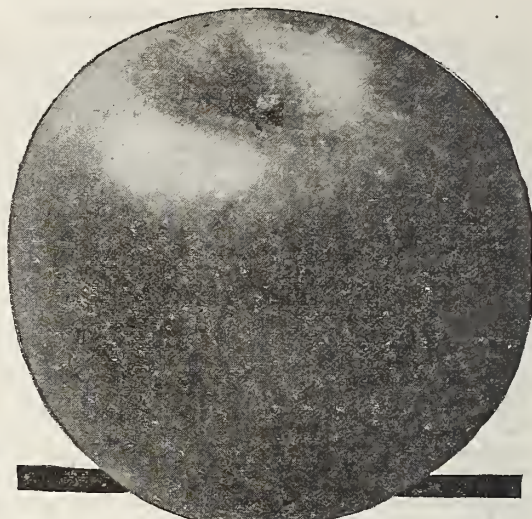
✓ **GRAVENSTEIN.** Fall. A perfect fruit with a handsome yellowish skin striped with red. The flesh is yellow, firm, juicy, of excellent quality; flavor palatable.

✓ **GRIMES.** (GRIMES GOLDEN.) Fall. A large size Apple, with golden yellow skin dotted gray. The flesh is tender, juicy, crisp and the flavor is good. The tree is hardy and productive.

✓ **McINTOSH.** (McINTOSH RED.) Fall. This is a bright red Apple with white flesh, slightly pink towards the core. Flesh is juicy and has a subacid flavor. It will keep a long time and requires no special storage. McIntosh is hardy anywhere and does very well in this section.



Yellow Transparent is one of the best summer Apples



Stayman Winesap is a very delicious Apple

✓ **YORK IMPERIAL.** Winter. This is one of the most important commercial Apples grown. Its size is medium. The skin is white, with a reddish shade. The flesh is firm, crisp and juicy; flavor is pleasant and mild. The tree is vigorous and productive. Seems to do well wherever planted.

✓ **WINESAP.** Winter. Wherever you see a good commercial or home Apple orchard you will find Winesap, for it grows practically anywhere north of Maryland. The fruit is of medium size, with a dark red skin; flesh is a creamy white, tender, crisp and juicy. Winesap belongs in a class by itself, for it will stand shipping long distances without losing any of its selling value. The tree is a strong grower, bears well and does it every year.

✓ **DELICIOUS.** Winter. This Apple can be told anywhere on account of its shape. It is oblong, quite full at the stem, but at the blossom end it is deeply notched. In quality, Delicious is considered one of the best for commercial orchards. The fruit's color is brilliant dark red, shading to yellow at the blossom end. The flesh is perhaps the best keeping Apple you can find.

**STAYMAN WINESAP.** Winter. The only reason we can see why this Apple is not planted more extensively in every orchard all over the country is because it is not well enough known. Frankly, we can think of no other Apple that possesses more of every good quality than does the Stayman Winesap. Its size is large, nearly round; has a very high red color and a pleasing appearance. The flesh is white, very fine quality, juicy, and flavor is one of the best. If you have room for only a few trees, plant Stayman Winesap. If you grow for market you can't afford to overlook this variety. It is a money-maker.

## Peaches

	Each	Per 10	Per 100
1 to 2 feet.....	15	\$1 25	\$-9 00
2 to 3 feet.....	20	1 50	10 00
3 to 4 feet.....	25	1 75	11 00
4 to 5 feet.....	30	2 00	12 00
5 to 6 feet.....	35	2 25	14 00

✓ **GREENSBORO.** Ripens June 25 to July 10. It is yellow, with a crimson cheek; flesh is white, juicy and sweet. It is extra large for an early Peach, and on account of its firmness is considered one of the best commercial sorts. Freestone.

✓ **CARMEN.** Ripens July 20. A favorite variety with many growers, for it usually produces excellent prices wherever sold. The fruit is large, pale yellow with crimson cheek. The flesh is tender, creamy white, possessing a spicy flavor. Freestone.

✓ **CHAMPION.** Ripens August 1. A large Peach with creamy white skin and red cheek. The flesh is white. The flavor is sweet and very high in quality. Champion is an excellent shipper. Freestone.

✓ **BELLE.** (BELLE OF GEORGIA.) Ripens August 5. A large showy fruit, with white skin and reddish cheek. The flesh is white, firm and delicious; extra high quality. This is one of the standard market varieties for the east. Freestone.

✓ **RAY.** An extra large Peach of excellent form. The skin is yellowish, nearly all overlaid with red. The flesh is white and firm. The quality is high and desirable in every way. It ships well and arrives at distant markets in excellent condition. Freestone.





Carman Peach is a great favorite

## PEACHES—Continued

**ELBERTA.** Ripens August 20. This is a favored variety with many of our leading commercial growers. The fruit is large, yellow with reddish cheek. The flesh is firm, yellow, juicy; flavor is very high, and quality is excellent. Freestone.

**LATE CRAWFORD.** Ripens September 5. One of the leading late varieties. Is large in size; skin is yellow with red cheek. Flesh is yellow, juicy, possessing a rich flavor. Excellent for either market or home planting on account of its late ripening period. Is considered one of the leading late Peaches. Freestone.

## Pears

Prices of all varieties except Kieffer

	Each	Per 10	Per 100
3 to 4 feet.....	35	\$2 50	\$16 50
4 to 5 feet.....	40	3 00	22 00
5 to 6 feet.....	50	3 75	27 50

**BARTLETT.** Summer. A handsome golden yellow fruit. Very popular with everyone who grows Pears. The fruit is large and shapely. The flavor is melting and sweet.

**CLAPP FAVORITE.** A large lemon yellow fruit with very fine flesh. Flavor rich and sweet.

**DUCHESS.** (ANGOLEME.) A large fruit of excellent quality. Flavor very pleasing, melting and buttery. Tree bears when quite young.

**SECKEL.** While not as large as some other varieties, Seckel makes up for this deficiency by its excellent flavor and high quality. The flesh is very juicy and the tree is a low grower. For either home or market use Seckel is an excellent variety.

**KIEFFER.** This Pear is the one that is grown perhaps more extensively than any other one variety that we can think of. Its size is large and the fruit possesses a sweet flavor. The flesh is rather coarse. Kieffer is one of the best for general planting. We have a special price on Kieffer trees.

	Each	Per 10	Per 100
3 to 4 feet, 1 and 2 years.....	25	\$1 40	\$11 00
4 to 5 feet, 1 and 2 years.....	30	1 75	13 75
5 to 6 feet, 1 and 2 years.....	35	2 25	16 50

## Cherries

	Each	Per 10	Per 100
3 to 4 feet.....	30	\$2 00	\$13 75
4 to 5 feet.....	35	2 50	19 25
5 to 6 feet.....	40	3 00	24 75

## SOUR VARIETIES

**MONTMORENCY.** Red. Very large in size. The flesh is solid, juicy, with rich acid flavor.

**RICHMOND.** Red. This fruit ripens quite early. Tree is thrifty and bears heavily; fruit medium sized.

## SWEET VARIETIES

**BALDWIN.** Red. Flavor sweet and delicious.

**SCHMIDT.** Black. Flavor sweet and pleasing.

## Plums

	Each	Per 10	Per 100
2 to 3 feet.....	30	\$1 75	\$11 00
3 to 4 feet.....	35	2 50	16 50
4 to 5 feet.....	40	3 00	22 00
5 to 6 feet.....	45	3 50	27 50

**ABUNDANCE.** Very large, amber color. Flesh juicy; flavor sweet.

**IMPERIAL GAGE.** A green variety possessing a pleasing flavor.

**ITALIAN.** Purple. An excellent sort for either home or market use.

**WICKSON.** Red. Very large. Flesh firm; flavor delicious.

## Quinces

	Each	Per 10	Per 100
3 to 4 feet.....	50	\$4 00	

**CHAMPION.** Large to very large. Fruit oval in shape, bright yellow. Flesh tender, and of excellent quality.

**ORANGE.** A large bright yellow fruit of excellent quality.



Elberta is one of the best Peaches for either market or table



## SMALL FRUITS

### Grapes

#### Strong Two-Year Vines

Each	Per 10	Per 100
20	\$1 50	\$8 00

#### One-Year Vines

Each	Per 10	Per 100
15	\$1 00	\$4 75

**CATAWBA.** Red. This is one of the standard market varieties. Its flavor is delicious and pleasing. Keeps well and is a good shipper.

**CONCORD.** A fine black variety with a splendid juicy flavor. This is considered the best market grape, as it is one of the best keeping varieties. If you plant only one variety, be sure to get Concord.

**NIAGARA.** White. Berries are good-sized and borne in large bunches. The flesh is pulpy, tender and very sweet. Niagara is the standard white grape. Be sure to plant some this year.

### Blackberries

**ELDORADO.** Medium size berries. Jet black in color; flavor is pleasant, melting and sweet.

Each	Per 10	Per 100
20	80	\$3 85

**RATHBUN.** Extra large berries, glossy black; flesh firm and of excellent quality.

Each	Per 10	Per 100
20	80	3 85

### Currants

**PERFECTION.** Beautiful, bright red berries borne in large clusters. Flavor excellent, mild, subacid.

Each	Per 10	Per 100
20	\$1 10	\$5 50

**WILDER.** Red. Fruit has an excellent flavor.

Each	Per 10	Per 100
20	\$1 10	\$5 50

### Dewberry

**LUCRETIA.** Really a trailing blackberry, but better in quality than any blackberry. Black in color, large and handsome. Flavor excellent.

Each	Per 10	Per 100
08	30	\$ 1 75



It takes but a few Berries like these to make a good shortcake

### Gooseberry

**DOWNING.** A large handsome berry of excellent quality for either dessert or cooking purposes.

Each	Per 10	Per 100
25	\$1 35	\$8 80

### Raspberries

**CUMBERLAND.** An excellent quality Raspberry, ripening in mid-season. The berries are large, firm and ship well. The Cumberland is considered one of the best of all black Raspberries.

Each	Per 10	Per 100
20	80	\$3 30

**ST. REGIS.** Bright red berries of large size. Flesh firm with a true Raspberry flavor.

Each	Per 10	Per 100
20	80	\$3 30

**PLUM FARMER.** A new introduction that promises in time to eclipse all other black Raspberries. Its flavor is excellent; flesh is firm and meaty, and the vine is prolific. You will make no mistake if you plant Plum Farmer.

Each	Per 10	Per 100
20	80	\$3 30

### Strawberries

**BUBACH.** An old favorite. The plants are strong growers and the berries are of large size.

12	25	50	100	250
25	45	60	80	\$1 50

**CHESAPEAKE.** Widely planted because of its high value both for market and table.

12	25	50	100	250
30	50	75	\$1 10	\$2 00

**GANDY.** A very late variety of high value. The berries are large, keep well, and the vines bear tremendous crops.

12	25	50	100	250
25	45	60	80	\$1 50

**PROGRESSIVE.** Everbearing. Without doubt the greatest strawberry on the market. Bears fruit until November. Try it.

12	25	50	100	250
50	75	\$1 25	\$2 25	\$3 75

**SUPERB.** Everbearing. A good companion for Progressive. Berries are extra large, handsome and delicious.

12	25	50	100	250
50	75	\$1 25	\$2 25	\$3 75



Montmorency Cherries are great, big fellows



# BEDDING PLANTS

In response to numerous calls for Bedding Plants we have added to our catalogue this year an extensive list of varieties best adapted to Harrisburg and the country roundabout. A planting of these in the border will make the grounds more beautiful and attractive. The plants come to you all ready to set out.

**ALL PLANTS SOLD AT 10 CENTS EACH UNLESS OTHERWISE NOTED**

## Abutilon

**Eclipse.** Mottled leaves, scarlet flowers.

**Savitzii.** A beautiful bedding plant; variegated white and green foliage. \$1.00 per doz., \$6.00 per 100.

## Acalypha

**Macafecana.** A very handsome, ornamental foliage and bedding plant; cardinal red and chocolate variegated. \$1.00 per doz., \$3.50 per 100.

## Ageratum

**Dwarf White.**

**Inimitable.** Giant blue.

**Little Gem.** Dwarf blue.

**Mrs. Alfred Ehmann.** Low plants; free flowering; blue.

**Princess Pauline.** Sky blue; white center.

**Triomphe des Parterres.** Beautiful variety; Russian blue; strong, robust grower.

	Per Doz.	Per 100
2-inch.....	75	\$3 50
3-inch.....	\$1 00	5 00

## Alyssum, Sweet

**Dwarf Double.** Best for pot plants and pans.

**Giant Double.** Splendid for cutting. 75 cts. per doz. \$3.00 per 100.

## Begonia (Semperflorens Varieties)

**Gloire de Chatelaine.** Dwarf, compact grower; always full of flowers of a lively rose color; a good, hardy grower, and should be a grand acquisition to this, which is becoming a popular pot and bedding plant.

**Gracilis Pfitzeri Triumph.** Pure white; free flowering.

**Gracilis rosea.** Handsome flowers of a delicate rose color.

**Luminosa.** Red flower and foliage.

**Vernon.** Pink; bedding sort.

**Rote Lubecca.** Red Vernon.

	Per Doz.	Per 100
2-inch.....	75	\$4 00

## Cuphea Platycentra

Cigar Plant

75 cts. per doz., \$3.50 per 100

## Canna. Indian Shot

Strong plants from 3-inch pots ready April 1st.

A tall-growing bedding plant, very useful in borders and edgings. Numerous colors are shown in the 25 different varieties.

	Per Doz.	Per 100	Per 1000
Standard Bedding Sorts.....	\$1 25	\$5 00	\$40 00

## Coleus

Grows to about 2 feet. The variegated foliage of these plants makes a handsome appearance. 20 standard varieties.

	Per Doz.	Per 100
2-inch pots.....	75	\$4 00
3-inch pots.....	\$1 25	5 00

## Fuchsias

	Per Doz.	Per 100
2-inch.....	\$1 00	\$5 00
3-inch.....	1 25	6 00

**Black Prince.** Single, wavy carmine petals, open, pale pink corolla.

**Minnesota.** Tube and petals light pink, corolla violet purple.

**Souvenir de H. Henkel.** Metallic bronze; long, cinnabar-red flowers.

## Geraniums

These handsome plants grow to about 1½ feet. One of the best known and most popular of all bedding plants. Mixed colors.

150 varieties including single, double ivy-leaved, variegated foliage and scented-leaved. \$1.00 per doz., \$6.00 per 100.

## Hardy English Ivy

Large-Leaved Variety

	Per Doz.	Per 100	Per 1000
2-inch.....	40	\$2 00	\$18 50
3-inch.....	75	3 00	25 00

## Heliotrope

**Chieftan.** Lilac, large trusses, sweet scented.

**Mme. Bruant.** Very dark purple.

**Mme. de Bionay.** Large trusses, nearly pure white.

	Per Doz.	Per 100	Per 1000
2-inch.....	40	\$2 00	\$18 50
3-inch.....	75	3 00	25 00

## Lantanas

23 of the very choicest named varieties. 65 cts. per doz., \$4.00 per 100.

## Lemon Verbena

Aloysia Citriodora

	Per Doz.	Per 100
2-inch.....	75	\$4 00
3-inch.....	\$1 25	5 00

## Lobelia

Crystal Palace Gem

	Per Doz.	Per 100
2-inch.....	65	\$4 00
3-inch.....	\$1 25	5 00

## Moon Vines

**Noctiflora.** The standard white Moonvine.

**Leari.** (Blue Dawn Flower.) Generally known as the Blue Moonflower. \$1.00 per doz., \$5.00 per 100.

## Petunias

**Ada.** Purple, edged and striped white.

**Artus.** Deep rose pink.

**Brightness.** Light pink.

**Columbia.** Purple, blotched white.

**Diadem.** Light purplish pink.

**Gury.** Lilac rose.

**Irene.** Bright rose pink.

**Jerome.** Deep purple, edged white.

**Pink Daisy.** Lilac pink.

**Snowball.** Pure white.

**Vesuvius.** Dark purple.

	Per Doz.	Per 100
2-inch.....	85	\$5 00

**Single Fringed Mixed.**

	Per Doz.	Per 100
<b>Double Fringed Mixed.</b>	\$1 00	\$5 00

## Sage

**Holt's Mammoth.** 60 cts. per doz., \$2.00 per 100.

## Salvia

**Bonfire.** Dwarf, scarlet.

**Splendens.** Tall, scarlet.

**Zurich.** Dwarf, scarlet.

	Per Doz.	Per 100
2-inch.....	75	\$4 00
3-inch.....	\$1 25	5 00

## Senecio Scandens (Parlor Ivy)

An indispensable Climber for vases, baskets or boxes. 75 cts. per doz., \$5.00 per 100.

## Swainsona

**Galegfolia alba rosea.** 75 cts. per doz., \$4.00 per 100.

## Tradescantia

**Red.** Red and green striped.

	Per Doz.	Per 100
2-inch.....	75	\$4 00

**Bicolor.** White and green stripes.

**Zebrina Multicolor.** Variegated purple, scarlet and white.


	Per Doz.	Per 100
2-inch.....	\$1 25	\$6 00

## Vinca

Variegata

	Per Doz.	Per 100
2-inch.....	75	\$4 00
3-inch.....	\$1 25	6 00





# CARBOLA

**Saves Time and Labor  
Gives Better Results**

Carbola comes in powder form, packed in convenient sized packages and is ready to use just as soon as it is mixed with cold or hot water. It does not spoil by standing, so can be kept on hand ready for instant use when wanted. It can be applied with a brush or a spray machine and positively will not clog the sprayer. It will not blister, flake or peel off as whitewash does, and it has no disagreeable odor to taint milk or other food products. One pound of Carbola mixed with one gallon of water has a germicidal strength about three times stronger than a five percent solution of pure carbolic acid, which is the standard for general disinfecting purposes, but is neither poisonous nor caustic. One gallon will cover approximately two hundred and fifty square feet of surface.

## PRICES

10 lbs. (10 gals.).....	\$1 00
20 lbs. (20 gals.).....	2 00
50 lbs. (50 gals.).....	4 00

## Standard Pots

Size	Ea.	Doz.	100	1,000
1 in.....	01	12	\$1 00	\$9 00
1 1/4 in.....	01	10	90	7 50
2 in.....	02	10	90	7 50
2 1/4 in.....	02	12	1 00	8 50
2 1/2 in.....	03	15	1 25	10 00
3 in.....	03	17	1 50	13 00
3 1/2 in.....	03	18	1 75	16 00
3 3/4 in.....	04	20	2 00	18 00
4 in.....	04	25	2 25	20 00
4 1/2 in.....	04	35	3 00	27 00
5 in.....	05	40	3 75	36 00
5 1/2 in.....	06	50	4 75	45 00
6 in.....	06	60	5 75	54 00
7 in.....	11	\$1 25	9 00	.....
8 in.....	15	1 50	13 00	.....
9 in.....	25	2 25	20 00	.....
10 in.....	30	3 25	27 00	.....
11 in.....	45	5 00	40 00	.....
12 in.....	60	6 35	55 00	.....
14 in.....	\$1 00	11 40	90 00	.....

## Bulb Pans

## ALL STANDARD SIZES

Width	Height	Ea.	Doz.	100	Width	Height	Ea.	Doz.	100
4 in.	2 1/2 in.....	03	30	\$2 00	8 in.	4 in.....	15	\$1 70	\$13 00
5 in.	2 3/4 in.....	04	45	3 60	9 in.	4 1/2 in.....	25	2 65	20 00
6 in.	3 in.....	07	75	5 40	10 in.	5 in.....	30	3 35	27 00
7 in.	3 1/2 in.....	10	\$1 15	9 00					

## Flower-Pot Saucers

Size	Ea.	Doz.	100	Size	Ea.	Doz.	100
4 in.....	03	25	\$1 50	9 in.....	08	90	\$7 50
5 in.....	03	25	2 00	10 in.....	10	\$1 15	9 00
6 in.....	04	40	3 00	11 in.....	12	1 30	11 00
7 in.....	05	55	4 00	12 in.....	15	1 70	13 50
8 in.....	06	65	5 50	14 in.....	25	2 75	22 50

The above prices are subject to discount of 15%—discount and prices subject to change without notice

## "ANCHOR BRAND"

## Cedar Plant Tub

## PENNSYLVANIA STYLE

Made of Everlasting Virginia White Cedar



## PRICE LIST

Size	Inside Top Inches	Inside Bottom Inches	Depth Inches	Thickness Stave Inches	Wire Hoops	Handle	Painted	Price Each
No. 1	14 1/2	11 1/2	13 1/2	1 1/2	3 No. 6	No. 2 N. V.	Green	\$1 65
No. 2	14	11 1/4	12 1/2	1 1/2	3 No. 6	No. 2 N. V.	Green	1 40
No. 3	12 1/2	10 3/8	12 1/2	1 1/2	3 No. 6	No. 2 N. V.	Green	1 10
No. 4	11 1/2	9 1/8	11 1/2	1 1/2	3 No. 7	No Handles	Green	95
No. 5	10 3/4	8 1/8	10 3/4	1 1/2	3 No. 7	No Handles	Green	85

## POULTRY SUPPLIES

## SHIPPING COOPS FOR POULTRY

For chickens, size 3 feet long, 2 feet wide, 1 foot high. \$1.25 each; \$12.00 per doz.



## The "Lawn Park" Coop

The run-away or park is pushed inside the coop (telescopes) in cold or stormy weather, and opened or closed, the hen and brood are perfectly sheltered and protected. Each \$3.75.

## Brooder and Incubator Thermometers

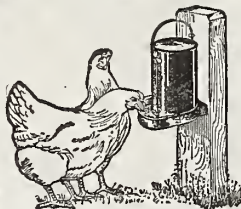
50 cts. and 60 cts.

Egg Crates. Humpty Dumpty. 3 doz. size 30 cts., 6 doz. size 35 cts., 12 doz. size 40 cts. Caponizing Set. Filling, complete \$2.50.

## Drinking Fountains

Keystone Grey Granite

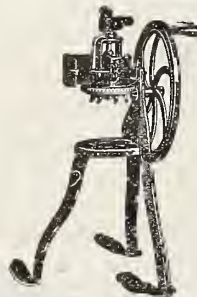
1-quart size.....	\$0 35
2-quart size.....	45
1-gallon size.....	60
2-gallon size.....	1 35



## Banner Root Cutter No. 7



This cutter is adapted especially for poultrymen and farmers or for suburban residents keeping a flock of chickens. Cuts roots and vegetables into fine chicken feed. Capacity, one bushel in about five minutes. Price \$5.00.



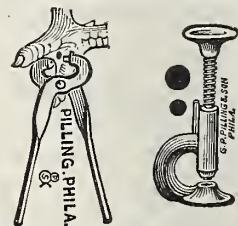
## Mann's Green Bone Mill

Satisfaction Guaranteed

No. 5C. Crank.....	\$8 00
No. 5B. Balance wheel.....	10 00
No. 5BM. (Iron stand).....	12 40
No. 7. New model (like cut).....	14 50
No. 7 1/2. Semipower.....	18 00

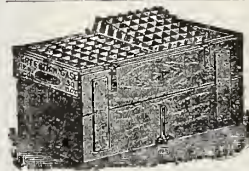
## Poultry Markers

25 cts. each



## Perfection Egg Crates

Will outwear a dozen cheap crates. \$1.50 each.



## Gape Worm Extractors. Each 25 cts.

## Grain Sprouters

No. 1. For 25 to 40 hens.....	\$5 75
No. 2. For 50 to 75 hens.....	7 00
No. 3. For 100 to 150 hens.....	9 50
No. 4. For 200 to 300 hens.....	12 75
Nest Eggs. Each 3 cts., doz. 25 cts.	Hoppers. Each \$1 and \$1.50.

## Leg Bands

	Doz.	25	50	100
Aluminum.....	15	25	40	65
Celluloid.....	20	35	60	\$1 00



# GARDEN TOOLS AND REQUISITES

## HIGHEST QUALITY ONLY



Asparagus Knives..... 45 cts.

Asparagus Buncher, Acme



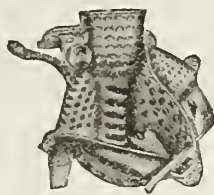
No. 1,

\$1 75

No. 2,

\$2 25

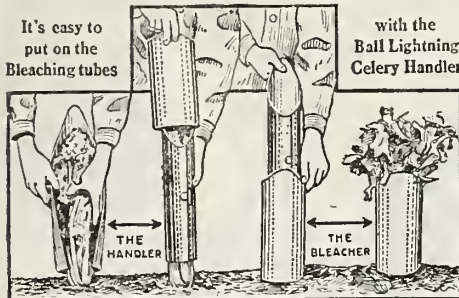
No. 1 for 3 to 3½-inch bunches.  
No. 2 for 4 to 5-inch bunches.



Corn Sheller, Never Fail

R. & H..... \$1 50

It's easy to  
put on the  
bleaching tubes



with the  
Ball Lightning  
Celery Handler

The Ball  
Lightning  
Celery Bleacher  
The greatest in-  
vention in years  
for the Celery  
grower.

No Banking  
with Soil

Just put on bleach-  
ing tube and in 10  
to 14 days you'll  
have the whitest  
and most luscious  
Celery you ever  
saw.

Write for  
circular.

Price of the Ball Lightning Celery  
Bleachers

Size	Doz.	100	1,000
6 x 12.....	25	\$1 75	\$13 50
Weight—doz., 2 lbs., 100, 8 lbs.			
6½ x 13.....	35	2 00	15 00
Weight—doz., 2 lbs., 100, 9 lbs.			
7 x 14.....	40	2 50	17 50
Weight—doz., 2 lbs., 100, 12 lbs.			

Celery Tape

1,000 yards.....	\$ 3 00
5,000 yards.....	12 75



Cherry Seeder,  
Rodman's

No. 3..... 75

No. 4..... \$1 00



Cider Mills

The best and  
strongest  
mill made.

Junior.....\$16 98

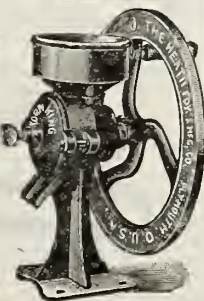
I-am-it.  
See illustration.  
\$13 00

No. 1½  
Korn King  
Each, \$4 98

No. 10.  
Rapid  
Grist Mill  
Each, \$4 79

No. 30.  
R. & H.  
Corn  
Sheller  
Each, \$2 79

No. 20.  
Never Fail  
Each, \$1 89



The Ball Lightning Celery  
Handler

A spring brass implement which  
gathers up the foliage so that the  
bleaching tubes can be placed with-  
out damage to the plant. Price,  
\$3.50.

Dandelion and Plantain Puller

46 cts.
---------

Dandelion Puller  
Long handle.....38 cts.

Dibble  
Steel points, for transplant-  
ing.....38 cts.

Dibble  
All iron.....49 cts.

Duster for Slug Shot  
2 qts. 35c 4 qts. 45c

Garden Line  
Italian hemp. Extra quality.  
25 feet..... 35  
50 ft..... 60  
100 feet..... 80  
200 feet.....\$1 35

Garden Line Reels,  
with Stake  
16-inch.....\$1 39

Glazing Points, Peerless  
Nos. 2 and 2½ per 1,000.... 60 cts.  
By mail..... 75 cts.

Grafting Wax  
¼ lb. 10 cts., ½ lb. 15 cts., 1 lb.  
25 cts.

Grass Edging  
Knives, American  
Solid Sockets  
4-foot handle, 75 cts.

Hanging Baskets  
Galvanized Wire  
18 in., heavy, 70 cts., doz. \$8.  
16 in. 40 cts., doz. \$4.50.  
12 in. 25 cts., doz. \$2.50.  
10 in. 20 cts., doz. \$2.25

Grass Catcher  
The  
"Easy Emptying"



For Size  
Style Depth Width Mower Price  
No. 10G 20" 18" 12 to 18" \$1 25  
No. 12G 22" 22" 16 to 22" 1 50

Hoes  
Thinning  
7-inch blades,  
58 cts.  
Prong or Pot-  
tato, 4 tines,  
59 cts  
Draw, or Field. Socket handle.  
7 in.....75 cts.  
Garden. Long handle.....70 cts.  
Scuffle. 2½ x 8-in. blades.....60 cts.

Horseradish Graters  
Family size; all  
iron.  
\$3 75

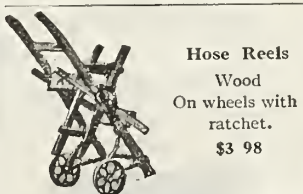


No. 3 foot tread.  
\$17 00



Market Stall Horseradish Grater  
Each.....\$11 89

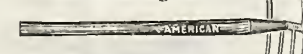
Hose Noz-  
zles, Gem  
Spray or Solid  
stream.  
32 cts.



Hose Reels

Wood  
On wheels with  
ratchet.  
\$3 98

Steel Weeding Hoe



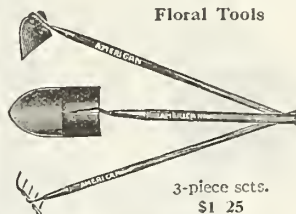
4-prong solid shank...65 cts.

Wheelbarrow, Garden



No. 3. Bin 26 inches long, 19 inches  
front width, 22 inches back; 12-inch  
sides, 1¼-inch tires.....\$4 50

Floral Tools



3-piece sets.  
\$1 25

Hose, Garden



	In.	Ply.	Per Ft.
Palisade.....	1½	2	8¾ cts.
Palisade.....	2	2	16¾ cts.
Clifton.....	1½	3	8 cts.
Clifton.....	2	3	9 cts.
Clifton.....	1½	4	9½ cts.
Clifton.....	2	4	10 cts.
Couplings, per set.....			13 cts.

Hose Washers  
Per dozen.....25 cts.

Hotbed Sash

Clear, white pine. Glazed 10-inch  
glass, 3 rows. Manufactured of best  
clear white pine. Size, 3 feet by  
6 feet, 1½ inches thick.

Price, glazed

In lots of 25 or more, packed Each 5 to a bundle.....	\$4 00
In lots of 5.....	4 10
In lots of 3 and 4.....	4 15
In lots of 2.....	4 20
In lots of 1.....	4 25

Hotbed Mats Doz. Each.

Burlap, 40 x 76.....	\$11 00	\$1 00
Burlap, 76 x 76.....	17 00	1 50
Waterproof, with waterproof duck one side, 40 x 76.....	\$14 00	\$1 25
Waterproof, with waterproof duck, 76 x 76.....	\$20 00	\$1 75

Hydrometers, Carbondale

For testing the strength of  
lime-sulphur solution.

Price \$1 00

Postp., with directions, \$1 25

Kraut Cutter, "New  
Buffalo"

Capacity 200  
heads an hour.  
Three knives;  
lasts a life-  
time.

Our price,  
\$20 00

Knives

Budding

Saynor's best. One  
blade. Round or  
straight blade,  
\$1.50

Other foreign makes,  
50 cts., 75 cts. and  
\$1 each.

Pruning

Saynor's, \$1 and \$1.50.  
American \$1.

Labels, Painted Wooden Pot

	100	1,000
4-inch.....	12	85
5-inch.....	20	\$1 00
6-inch.....	25	1 50
8-inch.....	35	3 25
10-inch.....	50	4 50
12-inch.....	75	6 00

Lawn  
Sprinklers

Peck, 3-arm,  
\$1 50



# GARDEN TOOLS AND REQUISITES HIGHEST QUALITY ONLY



## Lawn Rollers, Roller Bearing Hand

A child can run them.

No.	Diam.	Length In.	Sections	Wt. Lbs.	Our Price
501	15	15	2	150	\$12 00
502	15	22	3	200	14 00
504	20	20	2	250	15 50
507	20	24	2	300	18 50
508	20	30	3	350	21 50
509	24	20	2	400	24 50
512	24	30	3	500	30 50

F. O. B. Factory

## Lawn Rollers, Water Ballast With Counter-Balancing Weights Ball Bearing

No.	Diam.	Lgth.	In.	Sec.	Epty.	Weight Filled with Water	Our Price
602B	18	24	1	155	410	555	\$14 50
603B	24	24	1	180	525	710	18 50
604B	24	32	1	200	605	935	20 50
605B	18	24	2	175	395	520	19 50
606B	24	32	2	230	650	895	25 50
607B	24	24	2	215	505	675	23 50



## Coldwell Lawn Mowers

### Rajah High Wheel Ball Bearing.

14-inch, 5-blade cylinder	\$11 90
16-inch, 5-blade cylinder	12 60
18-inch, 5-blade cylinder	12 90
20-inch, 5-blade cylinder	13 90

### Suburban Ball Bearing

12-inch, 4 blades	\$6 50
14-inch, 4 blades	6 75
16-inch, 4 blades	7 00
18-inch, 4 blades	7 50



Coldwell Motor Mowers. Write for details and prices.  
Coldwell Horse Mowers. Write for details and prices.  
Write for prices on Golf Mowers for Putting Greens.

Lawn Mower	Orchid Ball Bearing High Wheel	10-inch. Driving Wheel
14-inch	\$5 29	
16-inch	5 59	
18-inch	5 79	



## Lawn Trimmers

For trimming close to walls or fences.

Coldwell's  
8-in cut... \$6 50



Powder Gun, Little Giant  
\$7 50

## Putty Bulbs

For applying mastic and putty.  
Each... 98  
By mail... \$1 09

## Putty, Twemlow's English

Gallon... \$2 20  
5 gallons... 2 10

## Raffia

Colored, in all shades.

1/4 lb.	15
1 lb.	50
5 lbs.	\$2 25

For tying; natural color.

1 lb.	20
5 lbs.	90



## Saws, Pruning

### Duplex (double edge)

18-inch	85
20-inch	\$1 15

### Pruning (single edge)

14, 16, 18, 20 and 24-inch 60 cts., 70 cts., 80 cts., \$1, and \$1.25.
--

## Rakes



## Automatic Self-cleaning.

22-tooth	49 cts.
26-tooth	59 cts.
The Gibb. Wire	37 cts.

## The Ole Oleson

Curved Oak

Does not tear grass.	37 cts.
Wooden. Ordinary	25 cts.

## Steel

12-tooth	50 cts.
14-tooth	60 cts.
16-tooth	75 cts.

## Reed

The genuine Reed is manufactured in Germany, but owing to an embargo placed upon them by the German Government, their importation is now possible.

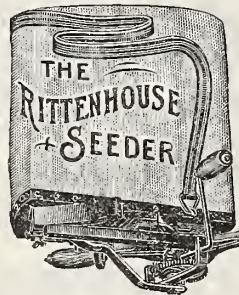
Reed is a manufactured paper Reed so identical in size and character as to make it a most excellent substitute for the genuine Reed. Sample cards upon application.

No.	1/4 lb.	1/2 lb.	1 lb.
0	40	85	1 25
1	40	85	1 25
3	35	65	1 10
4	30	55	1 00
6	25	40	75
7	20	35	65
8	20	35	65
9	20	35	65
11	20	35	65

4 Yards for 10 cts.

Flower	Scissors	\$1 00
Vine. 7-in.		1 25

## Seeders



## Seeder No. 3

The Rittenhouse

Formerly sold under the name of "The Little Giant"

Has a pressed tin four-flange, distributing wheel and lathe-centered gears making it easy running. Accurate gauge.

Sloping feed board and force-feed steel frame. Handhold and shield. Each \$1 25.

## Seeder No. 4

The Rittenhouse

Each... \$1 00

## Shears

With pruning notch, 8-inch blade, \$1 75.  
9-inch blade \$2.00; 10-inch blade \$2.50.

English Hedge  
For tree and heavy hedge... \$2 49

Lopping, Saynor's  
Tree Pruning, Waters Pole

8 ft.	\$1 50
10 ft.	1 65
12 ft.	1 75

## Pruning

7 in.	75
8 in.	\$1 00
9 in.	1 25

Sheep or Grass  
24c and 48c

Sickles  
Extra fine.  
Each, 25 cts. and 40 cts.

Silkline  
For Stringing Smilax.  
Spool... 25  
Lb... \$1 50

Each, 25 cts. and 40 cts.

Each, 25 cts. and 40 cts.

Each, 25 cts. and 40 cts.

Each, 25 cts. and 40 cts.

Each, 25 cts. and 40 cts.

Each, 25 cts. and 40 cts.

## Spading Forks



4 tines... 85 cts. 5 tines... \$1 00

## Spades, Steel

Each... 90 cts.

## Stakes

### Heavy Rose or Dahlia

Painted green.

3 feet	Doz.	100
3 feet	75	\$4 85
3 1/2 feet	88	5 68
4 feet	\$1 10	6 50
5 feet	1 25	8 15
6 feet	1 55	9 80

## Wooden, Round Tapering

Painted green.

1 1/2 feet	Doz.	100
1 1/2 feet	17	\$1 00
2 feet	28	1 70
2 1/2 feet	40	2 40
3 feet	51	3 20
3 1/2 feet	63	4 00
4 feet	75	4 80
5 feet	88	5 60

## Round Dowels

Unpainted

Inches	Doz.	100
1/2 x 48	25	\$1 25
3/4 x 48	35	2 00
1 x 60	45	3 00
1 1/2 x 72	60	3 85

## Sprinkler, Rubber

Each... \$1 00  
By mail... 1 10



## Thermometers

Copper case... \$1 00

Greenhouse, Tested

Register heat and cold.

Self-Registering... \$3 00

Brass Point

Hotbed, Mushroom, \$1 50

Each... 35

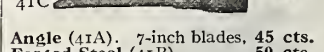
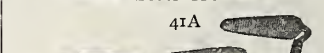
Doz... \$3 50

Dairy. For testing milk.

Incubator. Tested. 59 cts.

Brooder. Tested. 49 cts.

## Sheet Steel Trowels



Angle (41A). 7-inch blades, 45 cts.

Forged Steel (41B)... 50 cts.

Transplanting (41C)... 30 cts.

Blade and shank one piece.

6 in... 25 cts.

Twine, Jute. For tying.

Lb... 25 cts.

## "Norcross"

Three Sizes

Detachable Steel

Prongs, Malleable

Head, Extra

High-Grade Handles

"Midget" Weeder. 9-inch

handle

No. 11

Each... 40 cts.

No. 33. 3-prong; 4-foot

handle.

Each... 50 cts.

Prepaid... 60 cts.

No. 55. 5-prong; 4-foot

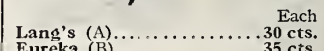
handle.

Each... 75 cts.

Prepaid... 85 cts.

Weights—3 lbs., 2 lbs., 12 ozs.

## Weeders



Each

Lang's (A)... 30 cts.

Eureka (B)... 35 cts.

Excelsior (C)... 10 cts.



## Auto Compressed-Air Sprayer No. 1



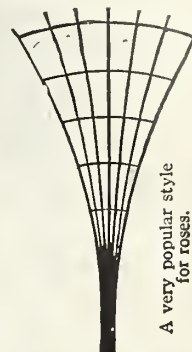
This is without doubt the standard of all Compressed Air Sprayers. It consists of a 4-gallon reservoir, made of heavy material, either brass or galvanized steel as ordered. It is operated by working an air pump, with which air is compressed on top of the solution. A few strokes of the plunger will compress enough air to operate the machine several minutes, and two pumpings will discharge all of the contents. This Sprayer is made of heavy material throughout, and the brass machine, which we strongly recommend, is practically indestructible, because it can not be affected by the various spray solutions. No other Sprayer will do such a variety of work, and do it so well. The cut shows the air chamber and reservoir, also auto-pop nozzle.

	Price
Brass tank, with auto-pop nozzle.....	\$8 75
Galvanized steel tank, with pop nozzle.....	6 50
Auto-pop nozzle, supplied separately.....	1 50
Brass extension rods, in 2-foot lengths.....	50

## Trellises



Veranda Trellis	
Feet Wide	Price
5—18 in.....	98
6—18 in.....	\$1 18
7—18 in.....	1 34
8—18 in.....	1 62
9—20 in.....	1 89



Wooden Fan Trellis

	Price
18-in.....	19
24-in.....	29
30-in.....	39
36-in.....	69
42-in.....	78
48-in.....	89
60-in.....	\$1 09
72-in.....	1 32
84-in.....	1 54
96-in.....	1 79

A very popular style for roses.

## HOLMES' STANDARD INOCULATING BACTERIA

HASTENS MATURITY

INCREASES THE YIELD

BUILDS UP THE LAND

ENRICHES THE SOIL

IMPROVES THE FEEDING VALUE

EASY TO APPLY—SIMPLY MOISTEN THE  
SEED BEFORE SOWING  
FULL DIRECTIONS IN EVERY PACKAGE

### PREPARED FOR

ALFALFA	SWEET CLOVER
SOY BEANS	RED CLOVER
COW PEAS	ALSIKE CLOVER
FIELD BEANS	CRIMSON CLOVER
NAVY BEANS	VETCH
CANADA PEAS	SWEET PEAS
GARDEN BEANS	GARDEN PEAS

AND ALL OTHER LEGUMES

Special Mixture for all Garden Beans and Peas



Inoculated Soy Bean Plant

### BENEFITS OF INOCULATION

First—Inoculated legumes take nitrogen from the air to supply the plant, resulting in faster growth, earlier maturity and larger crops.

Second—Inoculated legumes take up more nitrogen than the plant itself requires, the surplus inuring to the benefit of future crops.

Third—Inoculated legumes develop larger root systems than when not inoculated and therefore reach the immense stores of potash and phosphorus in the sub soil, bringing them up to supply the plant.

Fourth—Inoculated legumes, by taking their nitrogen from the air, save the soil. When not inoculated they drain the soil of its nitrogen just the same as wheat or timothy or other nonleguminous plants.

Fifth—Inoculated legumes contain more proteid matter than when not inoculated, greatly increasing their feeding value.



Inoculated Soy Bean Root  
Showing Nodules

### PRICE

Garden size.....	35
Acre size.....	50
Two acre size.....	95
Four acre size.....	\$1 50
Six acre size.....	2 00

By Mail, 5 cts. extra.

### SPECIAL NOTICE

When ordering state crop to be inoculated, as there is a different bacteria for each legume.

Applied direct to seed.  
DIRECTIONS IN EACH  
PACKAGE

INCREASE YOUR CROPS  
THE WORLD NEEDS THE  
FOOD. INOCULATE

### What the Experiment Stations say:

#### NEW JERSEY

Bulletin 226, New Jersey Experiment Station states that inoculation produced an increased yield of 500% on Alfalfa, 75% on Beans, and that Lima Beans and Cow Peas more than doubled.

#### SOUTH CAROLINA

Bulletin No. 53, South Carolina Experiment Station says:

"Inoculation is not a cure-all, but its proper use will send the farmer farther forward in three years than it has been possible for him to go without it in a generation."

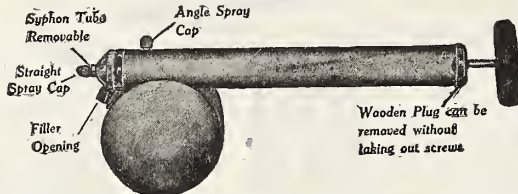
#### LEGUMES CAN NOT ENRICH THE SOIL UNLESS BACTERIA DEVELOP THE NODULES

"The peculiar value of legumes for maintaining and increasing the fertility of soils is due to certain bacteria which develop nodules upon the roots of leguminous plants and which have the unique power of rendering the free nitrogen of the atmosphere available for plant growth. Without these bacteria, legumes, like other crops, exhaust the soil of its combined nitrogen."—Ext. Farmer's Bulletin No. 315.



**Auto-Spray No. 37C** Continuous Sprayer

Capacity one quart



Will handle all solutions, insecticides and disinfectants. May be used for all plant life, in the greenhouse, kitchen garden, for rose bushes and in the poultry house.

One quart tin pump, brass tank. Factory Price ..... **\$1.25**

**Auto-Spray No. 22A**

Factory Price 70c. Our Price ..... **59c**

Used as a cheaper machine for the same purposes as the Auto Spray No. 37.

**Pump Cylinder No. 22A.** 14 inches x 1 3/4 inches diameter. Length over all 20 inches. One jet, tin reservoir.

**Pump Cylinder No. 20B, No. 20E.** 14 inches x 2 inches diameter.

**Non Clog Jr. SPECIAL FEATURES**

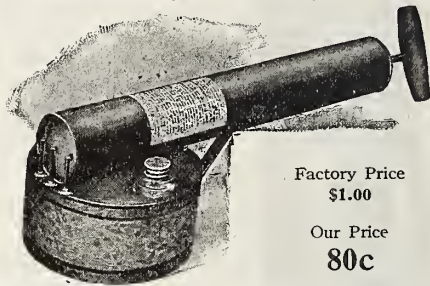
Strength, simplicity and balanced construction; a nozzle which **DOES NOT and CAN NOT CLOG**, and the **ONLY CLOGPROOF NOZZLE** on a compressed air sprayer, no matter what competitors claim.

Factory Price 70c. Our Price ..... **59c**

**Auto-Pop No. 1**

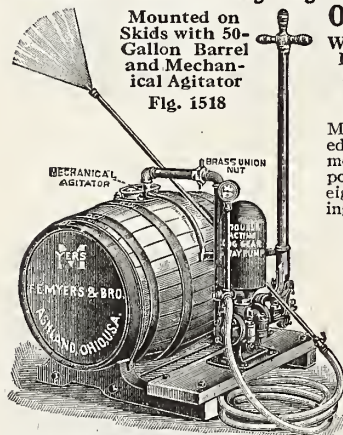
Automatic and entirely of brass.

Each **\$1.75**

**Auto-Spray No. 20B, No. 20E**

Factory Price **\$1.00**

Our Price **80c**

**Holmes' Double Acting Cog Gear Complete Spray Pump Outfit**

Mounted on Skids with 50-Gallon Barrel and Mechanical Agitator  
**Fig. 1518**

With Brass Valves and Ground Bevel Brass Seats 2-inch Seamless Brass Removable Cylinder Hemp Packed Plunger

**Special Features:** Cog Gear Movement, increased leverage adapted for spraying under heavy pressure, mounted complete, occupying smallest possible space. Capacity sufficient for eight nozzles; well adapted for spraying potatoes.

**PRICE LIST, Fig. 1518**

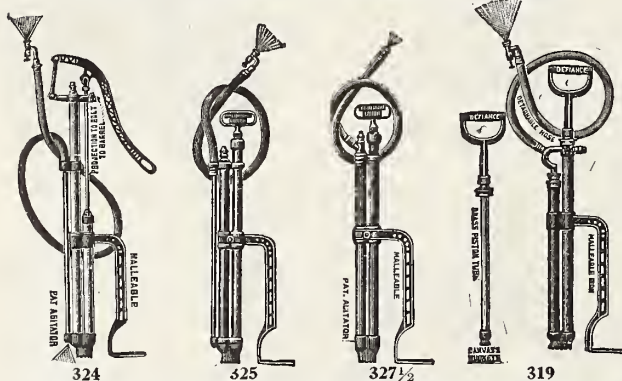
No. R316B. Pump complete as above with pressure gauge, one 15-foot lead, 1/2-inch 7-ply discharge hose, one Fembro Fig. 1290 nozzle, one 8-foot pipe extension with lever shut-off and mechanical agitator. List Price [Pottle] **\$60.00**. Our Price ..... **\$48.00**  
No. R316C. As above with two leads of hose, nozzles and extensions. List Price [Pouch] **\$67.00**. Our Price ..... **\$55.00**

**Holmes' Lever Bucket, Imperial, Little Giant and Defiance Spray Pumps**

Detachable Hose—Brass Ball Valves—Patent

Agitator. All Working Parts Brass

Plunger can be withdrawn through Top of Pumps  
Lever Bucket Imperial Little Giant Defiance



Myers Bucket Spray Pumps are constructed entirely of brass. They are provided with a large air chamber, brass ball valves and detachable hose. Have patent jet agitator to keep spraying solution thoroughly mixed and agitated and are fitted with malleable foot rest. Especially adapted for small orchards, shrubbery, whitewashing, etc.

**PRICE LIST**

No. 324. Myers Lever Bucket as described above, with Vermorel nozzle. Price.....[Fresh].....	<b>\$8.00</b>
No. 325. Myers Imperial, with Vermorel nozzle. Price.....[Friction].....	<b>7.00</b>
No. 327 1/2. Little Giant, with Imperial nozzle. Price.....[Friction].....	<b>6.00</b>
No. 319. Myers Defiance, with Vermorel nozzle. Price.....[Peat].....	<b>8.00</b>

Bordeaux Nozzle instead of Vermorel, furnished when specified, except on No. 327 1/2 pump.

**Holmes' O. K. Spray Pump**

For Hot, Cold or Any Kind of Mixture

Has Mechanical Agitator, Solid Brass Ram Plunger, Ground Bevel Valve and Seat. Malleable Iron Handle

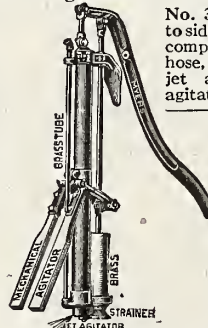
**Fig. 1542** with adjustable malleable base, with two leads of 15 foot 7-ply, 1/2-inch hose and two Fembro (Fig. 1290) nozzles. (Without barrel.) Price, each [Prad] **\$41.25**. Our Price **\$28.00**.

**Holmes' Small Barrel Pump**

**Fig. 305B**

See illustration

No. 305B. Attaches to side of barrel. Price complete with 15-ft. hose, Vermorel nozzle, jet and mechanical agitator, no bbl **\$17.00**.

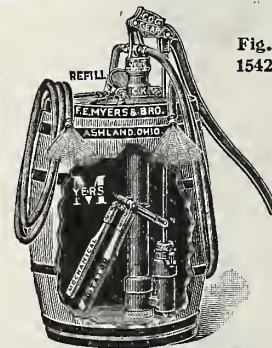
**Holmes' O. K. Spray Pump**

With Malleable Iron Base  
Mounted Complete with Skids and Fifty-Gallon Barrel

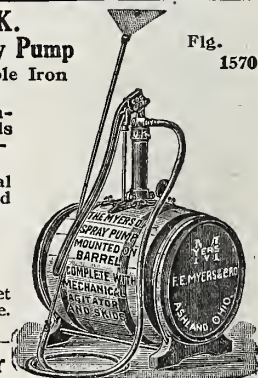
Has Mechanical Agitator, Solid Brass Ram Plunger, Ground Bevel Valve and Seat

**PRICE LIST**

**Fig. 1570** complete with one lead of 15 feet of 7-ply discharge hose and Fembro nozzle. Price [Prone] **\$45.00**; our price **\$38.07**.



**Fig. 1542**



**Fig. 1570**

**Holmes' Handy Portable Sprayer**

**PATENTED FIG. 1614**

With Cog Gear Spray Pump and Mechanical Agitator

Made of extra heavy Galvanized Iron. Capacity 12 1/2 Gallons.

Suitable for Spraying Trees, White-washing, Painting, Etc.



**Fig. 1614** illustrates the Myers Handy Sprayer as made for general use as a handy outfit about the home.

The pump is our regular No. 318B, fitted with cog gear malleable iron handle and mechanical agitator. The pump is securely attached to the tank by means of a clamp connected direct to the channel iron that surrounds the top of the tank held in position by one thumbscrew. The handle can be located at any point desired.

The pump is fitted complete with mechanical agitator, 15 feet of hose and an 8-foot pipe extension in two 4-foot parts, which adapts it for spraying large trees and also for use in whitewashing on the inside of low buildings.

The wheel is 16 inches in diameter.

**Price List, represented by Fig. 1614**  
No. R336B. Myers Handy Portable Sprayer, complete as shown in illustration with Mechanical Agitator and Vermorel Nozzle. Price [Puff] **\$25.00**.



## Holmes' Whitewash, Cold Water Painting Machine and General Purpose Sprayer

With Patent Double Agitator. A Complete and Serviceable Outfit

The tank is made of heavy galvanized iron with a wide bottom, with removable cover which prevents any spilling or splashing of the liquid. Holds 7 gallons.

The pump is our regular No. 324 Bucket Spray Pump, as shown under Fig. 632, fitted with Bordeaux nozzle, brass ball valves, and has both jet and dasher agitator.

### PRICE LIST

	List Price	Our Price
No. 329. Fig. 1358 complete as illustrated.		
Price, each [Pansy].....	\$14 00	

Fig. 1358



## The Perfection Compressed Air Pump

Guaranteed 60 Pounds Pressure

Here's what the Perfection No. 22 will do—built to work at and stand a higher pressure. Guaranteed to be of superior quality and construction to any manufactured. The only sprayer of this type that will empty its contents in one pumping. Will spray any insecticide, including Bordeaux mixture, disinfectants or whitewash.

**Equipment**—Tank is furnished in either galvanized steel or all brass, a powerful all brass pump screws into top of tank, thus eliminating any possible leaking of air. Furnished complete with three feet discharge hose, spray nozzle, shut-off cock and shoulder strap, galvanized tank. Price \$7.80, our price \$6.99.

Same as above, all brass, \$9.70, our price \$8.25.

Shut-off cock in place of regular cock, extra 55 cts.

# DAIRY SUPPLIES

## Bottle Brushes



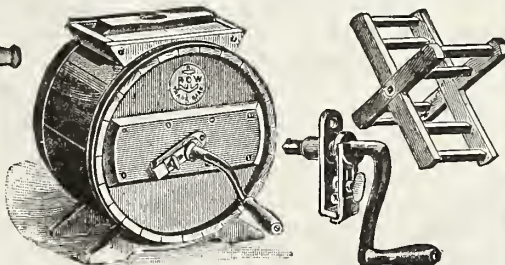
Hand, from..... 25 to 35 cts.



## Iron Clad Butter Boxes

12-lb. prints.....	\$ 5 75
20-lb. prints.....	6 25
30-lb. prints.....	6 99
42-lb. prints.....	7 29
50-lb. prints.....	8 99
80-lb. prints.....	9 49
96-lb. prints.....	9 29
120-lb. prints.....	10 29

## Cedar Cylinder Churn



### Double Dasher

Will churn	Each
No. 1. 3 gallons.....	\$2 79
No. 2. 4 gallons.....	3 29

### Thumb Screw Lock

Will churn	Each
No. 3. 7 gallons.....	\$3 68
No. 4. 10 gallons.....	4 29

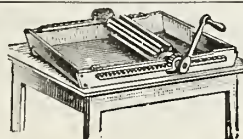
## Davis Swing Churn



NOTE—The capacity is twice the amount they churn.

Will churn	Price
No. 1. 4 gallons.....	\$ 7 99
No. 2. 5 gallons.....	8 79
No. 3. 8 gallons.....	10 49
No. 4. 10 gallons.....	11 98

## Butter Workers



No. 1. Capacity 50 lbs.....	\$9 97
No. 2. Capacity 30 lbs.....	7 99
No. 3. Capacity 20 lbs.....	7 39
No. 4. Capacity 10 lbs.....	6 97

Larger sizes quoted on application.



## Butter Printer

Pound, complete \$1.49.

## The Sturges Steel Churn

Butter making with a Steel Churn is a pleasure and not a drudgery, as the old way has been.



Sanitary—Easy to Clean

They are steel—not a piece of wood about them—will not absorb moisture, so can not become soaked. No seams to open up nor hoops to drop off in the sun. Mounted upon a strong welded steel base that will last a lifetime.

Made in Three Sizes

Gal.	Gal.	Price
No. 1. 5 churns 1/2 to 2 1/2.	Each	\$5 50
No. 2. 7 churns 1 to 3 1/2.	Each	6 50
No. 3. 10 churns 1 to 5.	Each	7 25

We can also furnish pulley for power attachment.

## WYANDOTTE CLEANER

Absolutely more of this cleaner used than all others. This is the best proof that it is the best cleanser for dairymen and farmers to use in cleaning cans, buckets, separators, strainers, churns, coolers, cows, the clothes, etc. Full directions for using with each order. 5-lb. bag 25 cts., 80-lb. keg \$3.25, 280-lb. barrel \$8.50.



## Barrel Churn

Barrel Churn, no Dasher, Either Stationary or Folding Stand

Will churn	Price
No. 0. 3 gallons.....	\$ 3 98
No. 1. 4 1/2 gallons.....	4 37
No. 2. 7 gallons.....	4 79
No. 3. 9 gallons.....	5 42
No. 4. 12 gallons.....	6 19
No. 5. 16 gallons.....	6 98
No. 6. 22 gallons.....	9 27
No. 7. 28 gallons.....	10 97

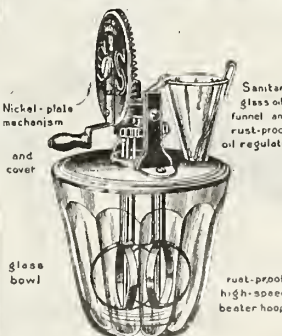
## MILK KETTLES Strong and Durable—Anti-Rust Tinware

Pint.....	39
Quart.....	68
2 Quarts.....	89
4 Quarts.....	1 19
6 Quarts.....	1 28
8 Quarts.....	1 49
10 Quarts.....	1 88

We also carry good bargains in tin pails at half these prices.



## "S. & S." Beater No. 2



**Eclipse**  
Eclipse Caps with patent lift-flap on top; most convenient cap made. A sure "trade getter." Send for sample, 1,000 90 cts., 5,000 \$3.25, 1 barrel, 50,000 \$22.00. We print your name and advertisement on the caps free on orders of 50,000.

**Milk Bottle Caps**  
NOTE.—Our business in caps more than doubled last year. Why? Because we sell the highest grade cap at a less price than others sell the poorest grade.

## IT BEATS EVERYTHING!

This handsome, time-saving device is an ideal holiday gift, suitable for any time of the year. It is invaluable to the housekeeper when making the Thanksgiving and Christmas delicacies and in the hot summer months for the cool beaten frostings and whipped desserts. It is in service all the year for omelets, salad dressings, etc. Write for descriptive circular.

No. 1.....	\$1 39	No. 2.....	.98 cts.
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## Holmes' Milk Cans

All our Iron-Clad Cans are made of steel and heavily tinned by the hand-dipping process after they are formed.

NOTE—While the cost of manufacturing these Cans has increased considerably it will be noticed our prices have not been increased.

Iowa Pattern Fig. 623  
20 quarts..... 3 75  
32 quarts..... 4 50



## Milk Bottles

Special price on larger quantity.

Dozen

Qts. 65c. pts. 55c,  
1/2 pts. 45c.

Gross

Qts. \$7.50, pts.  
\$5.75, 1/2 pts. \$4.75.

10 Gross

Qts. \$6.75, pts.  
\$5.50, 1/2 pts. \$4.50.



## Pails

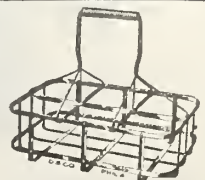
Jersey combination

10 quarts
50 cts.
12 quarts
65 cts.



## Milk Bottle Baskets

6-bottle size
\$1.25
8-bottle size
\$1.50





# Three Good Little Cultivators to Push Along

## PREMO SKABOO

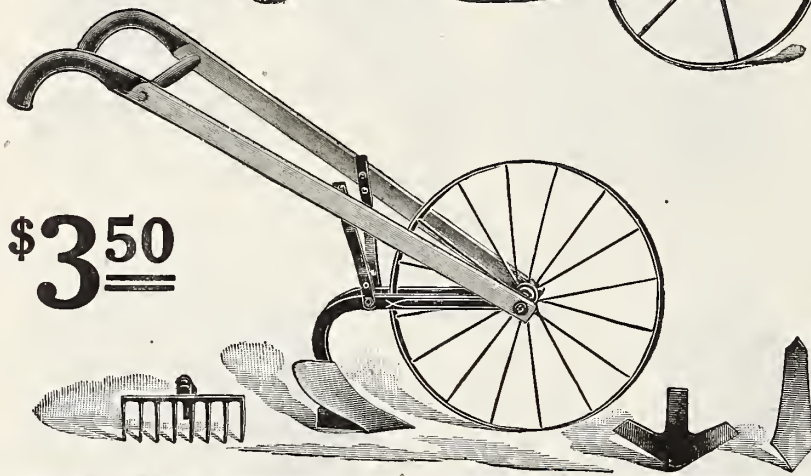
A complete 5-shovel cultivator, with detachable double point reversible shovels. Adjustable from 10 to 14 inches in cutting width. A garden tool that will please the most exacting. Compactly bundled. Weight 21 lbs.

**\$4<sup>50</sup>**

## PREMO DEXTER CULTIVATOR

A most complete and desirable garden tool. Strong and durable. Wheel 18-in. by 1-in. tire. Shipped in one bundle complete with three shovels, rake and wrench. Weight 20 lbs.

**\$3<sup>75</sup>**



**\$3<sup>50</sup>**

No. 1

## PREMO CULTIVATOR

A perfectly balanced plow, as the weight is directly over the pivotal point. Handles are adjustable in height to suit operator. Open shovel shank permits any style shovel being used and any pitch desired. Wheels 24-inch. Packed in one bundle with three shovels, rake and wrench. Weight 21 lbs.

# The DEXTER Pruner

Saves Your Time, Labor  
and Your Trees

It cuts like a razor, cleanly and smoothly.

It never chews, tears or rags the edges of the bark or wood.

It never slips. It leaves an amputation as clean as if you had used a chisel and mallet.

The Dexter Pruner is made with two razor-sharp jaws or knives that bite into the wood from opposite sides and meet at the center of the limb.

Its action is quick, positive and accurate. Just a quick, sharp pull on the cord and the branch drops off. A big saving in time, as you need no saw or chisel.

You can prune close to the trunk without injuring or bruising tender bark.

The Dexter is strong and durable; made from tested malleable iron with finely tempered tool-steel knives.

Telegraph and Telephone Companies, Electric Light and Railway Companies find the Dexter indispensable in installation work and in keeping the line clear.

Price

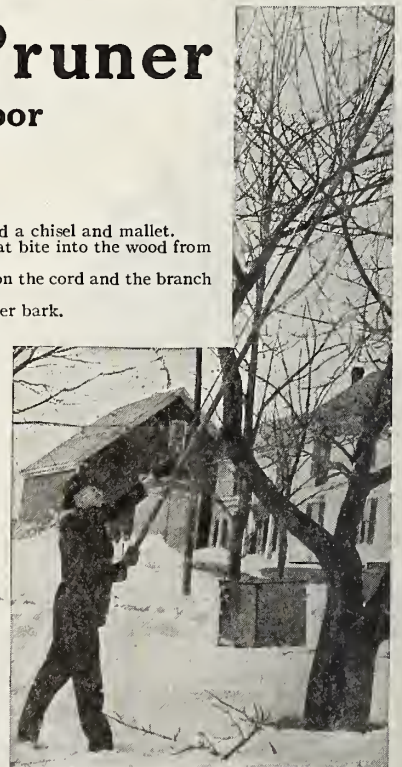
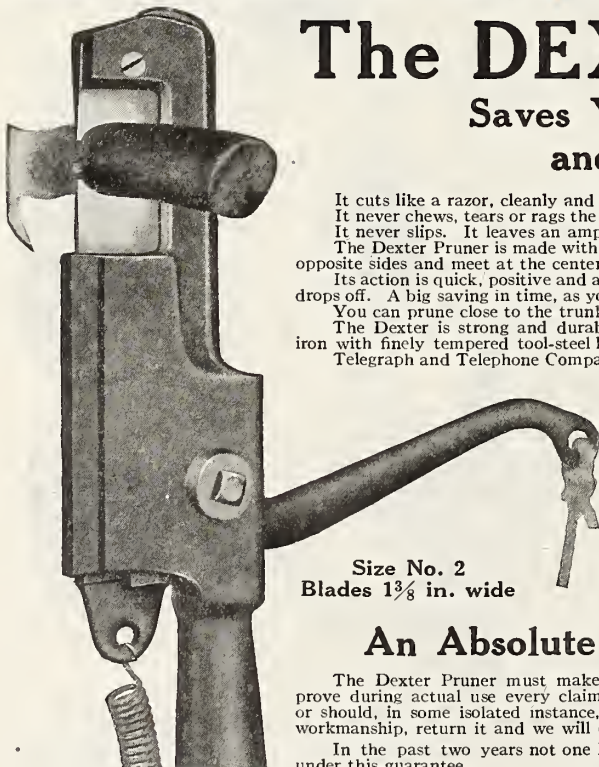
**\$3<sup>50</sup>**

Size No. 2  
Blades 1 $\frac{3}{8}$  in. wide

## An Absolute Guarantee

The Dexter Pruner must make good in your hands. It must prove during actual use every claim. If it fail in any particular—or should, in some isolated instance, prove defective in material and workmanship, return it and we will cheerfully refund your money.

In the past two years not one Dexter Pruner has been returned under this guarantee.



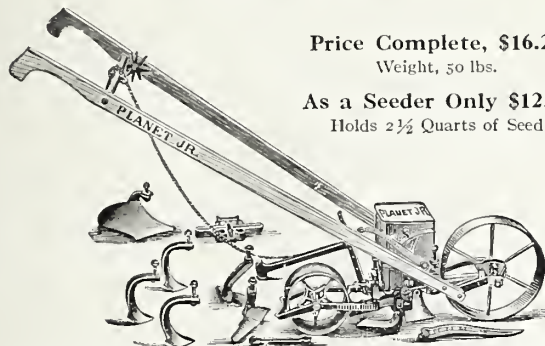




# Planet Jr. Garden Tools



## No. 4 Planet Jr. Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow



Price Complete, \$16.25  
Weight, 50 lbs.

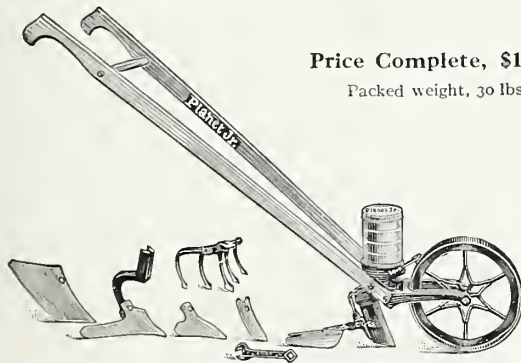
As a Seeder Only \$12.75

Holds  $2\frac{1}{2}$  Quarts of Seed

This accurate, durable and easy-running tool sows all garden seeds from the smallest up to peas and beans in hills 4, 6, 8, 12 or 24 inches apart, or in drills at the proper thickness and depth; rolling down and marking out the next row all at one passage.

By removing the seeder parts and substituting the tool frame, you have a first-class single wheel hoe with a set of specially hardened steel tools, the best made for hoeing, plowing, cultivating, opening furrows, hilling, etc.

## No. 31 Planet Jr. Combined Drill Seeder and Single Wheel Hoe

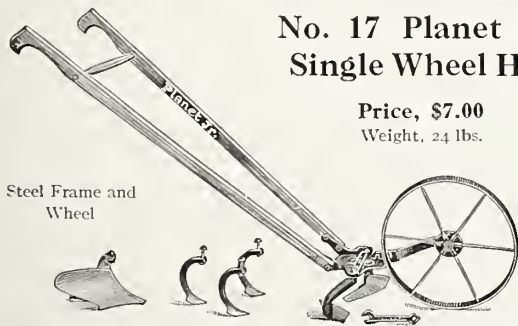


Price Complete, \$10.75

Packed weight, 30 lbs.

This new combined tool is of great value to thousands of gardeners who have never felt able to own, either a seed drill or a wheel hoe. It will sow even a small packet of garden seed with great precision in a narrow row from  $\frac{1}{4}$  to 2 inches deep. Quickly changed to a splendid wheel hoe. A special machine for the small gardener at a price he can afford to pay.

## No. 17 Planet Jr. Single Wheel Hoe



Price, \$7.00

Weight, 24 lbs.

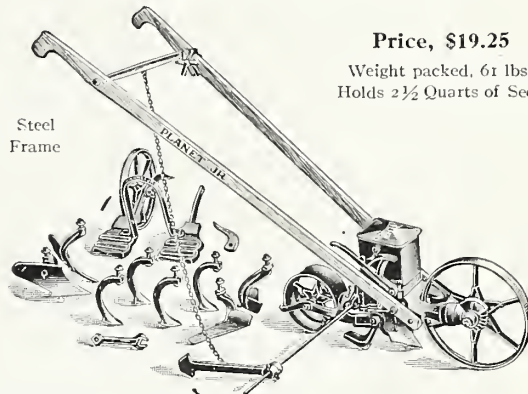
Steel Frame and Wheel

You can do more and better hoeing with it in one day than you can do in three days with a hand hoe. The No. 17 has a pair of 6-inch hoes, a plow and a set of cultivator teeth, an outfit sufficient for most garden work.

The handles are adjustable in height. The frame is steel, convenient and strong, with quick change device by which to exchange the tools without removing the nuts.

The New "PLANET JR." Catalogue is the handsomest, best and most instructive book ever issued on a similar subject. Full of little points that bring profit. Full of true and handsome illustrations. We mail it free to any address on application.

## No. 25 Planet Jr. Combined Hill and Drill Seeder, Double and Single Wheel Hoe, Cultivator and Plow



Price, \$19.25

Weight packed, 61 lbs.  
Holds  $2\frac{1}{2}$  Quarts of Seed

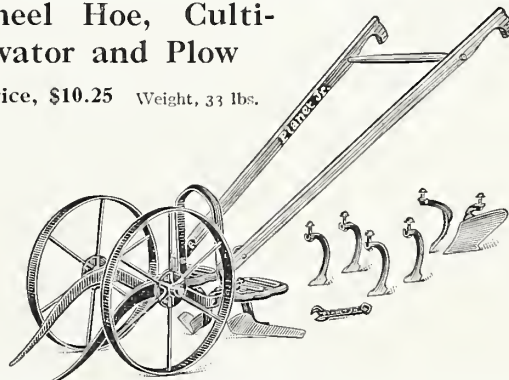
Steel Frame

As a seeder it is practically the same as the Planet Jr. No. 4, and as a wheel hoe has the same steel frames and cultivating attachments as the Planet Jr. No. 12 Double Wheel Hoe.

Two acres a day can easily be worked, and when it is done it will be a better job than several men could have done in the same time with hand hoes.

## No. 12 Combined Double and Single Wheel Hoe, Cultivator and Plow

Price, \$10.25 Weight, 33 lbs.

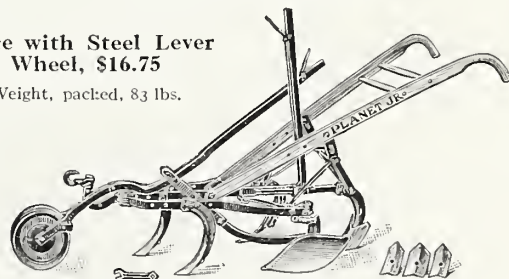


This tool has one pair plows, one pair hoes, four cultivator teeth and a pair of leaf lifters. The attachments sold with No. 12 are what gardeners use most, and the others can be added as wanted.

## No. 8 Planet Jr. Combined Horse Hoe and Cultivator

Price with Steel Lever Wheel, \$16.75

Weight, packed, 83 lbs.



No other cultivating machine is so widely known, for it is in use throughout the civilized world. So strongly built as to withstand incredible strain, yet light and easy to handle. Opens and closes furrows, hoes right up to the plants without danger of injury, throws dirt to or from the row and throws back from center again. Cultivates any depth desired and adjusts for any width.



Holmes  
Masterpiece  
Early large  
podded  
Pea.

See  
page  
28.

Holmes' Everbearing  
The most prolific  
Red.  
Tomato.  
& meatiest  
Tomato grown.  
See page 34.

Holmes'  
Sweetheart  
Sweet Corn.

See page 16.

These  
6 Grand  
Novelties  
& Specialties  
only

45 cts

Bought separately  
would cost you  
70 cts

Order as Given  
Collection.

**HOLMES  
SEED  
CO.**

Harrisburg,  
Pa.

Holmes'  
Improved Ohio  
Yellow Globe Onion

See page 2